FORM 159 (9-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Los Angeles, California

May 10, 1955

Mr Oliver S Northcote Agent
Richard S Rheem Operator
210 West 7th Street
Los Angeles 14 California

Dear Sir

Your report of abandonment of Well No. "Miller Ranch" 1, Sec. 3, T. 3 N, R. 16 W, S B B. & M., Newhall field, Los Angeles County, dated April 14, 1955, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division, which are based on all information filed with it, have been fulfilled.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
184					

Yours truly

E. H. MUSSER
State Oil and Gas Supervisor

By R. N. Walling
Deputy Supervisor

cc Mr E H Musser
Richard S Rheem Operator
Mr L A Dutton
Fire Prevention Bureau
Conservation Committee

es

98061 4-54 11,200 SPO

FORM 100. SUBMIT LOG IN DUPLICATE. FILL THE BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

(2)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

APR 20 1955

WELL SUMMARY REPORT

Operator RICHARD S. RHEEM, OPERATOR Field NEWHALL

Well No. MILLER RANCH #1 Sec. 3, T. 3 N., R. 16 W., S.B. B. & M.

Location 1443.61' Nly & 304.38' Ely at right angles to said line from the SW Cor. of Lot 28 of St. Johns Subdivision

Elevation above sea level 1275 feet.
All depth measurements taken from top of Kelly Bushing, which is 12.8 feet above ground. 1288'

In compliance with the provisions of Chapter 93, Statutes of 1939, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date April 14, 1955 Signed [signature]

(Engineer or Geologist) (Superintendent) Title Petroleum Engineer (President, Secretary or Agent)

Commenced drilling 1-27-55 Completed drilling 3-28-55 Drilling tools ~~Cable~~ Rotary

Total depth 7638' Plugged depth 7512'-7180', 7176'-6801', ~~6551'-6541'~~, 1800'-1600', 10'-0

Junk None

GEOLOGICAL MARKERS	DEPTH
Top of Miocene	5320'
Top Sespe Type Continental's Beds	7250'

Commenced producing Never Produced (date) ~~Flowing/gas lift/pumping~~ (cross out unnecessary words)

	Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production	Never Produced					
Production after 30 days	Abandoned					

Casing Record (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
11-3/4"	440'	Surface	42#	New	Seamless	H-40	17-1/2"	387	
7"	6790'	Surface	20# & 23#	New	Seamless	N-80 & J-55	10-5/8"	300	
5" (Liner)	7060'	6709'	18#	New	Seamless	N-80	8½ & 6-1/8	90	

Perforations

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforation
7"	6695 ft.	ft.	4 - 1/2" holes			See history for detail
7"	6551 ft.	6541 ft.	4 - 1/2" holes/ft.			of all tests made
5"	7044 ft.	ft.	4 - 1/2" holes			through perforations.
5"	6983 ft.	ft.	4 - 1/2" holes			
	ft.	ft.				

Electrical Log Depths 6559', 6819', 7516' & 7638' (Attach Copy of Log)

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DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator: RICHARD S. RHEEM, OPERATOR

Field: NEWHALL

Well No. MILLER RANCH #1

Sec. 3, T 3N, R 16W, S.B.B.& M.

Date: April 14, 1955

Signed: [signature]
Production Engineer

1-27-55	Thomas P. Pike Drilling Company, contractor, moved in and rigged up portable rotary drilling equipment, and spudded well at 10:30 P.M.
1-28-55	Drilled 17-1/2" hole to 440'. Rigged up and ran 11 joints, 440', of 11-3/4" 42# casing. Cemented surface casing at 440' with 387 sacks Type "O" cement treated with 2% CaCl. Used 1 top wooden plug and displaced with 200 cu. ft. of mud. Bumped plugs with 600#. Good returns to surface.
1-29-55	Drilled 10-5/8" hole to 602'.
1-30-55	Drilled " " " 1100'.
1-31-55	" " " " 1538'.
2- 1-55	" " " " 1990'.
2- 2-55	" " " " 2247'.
2- 3-55	" " " " 2501'.
2- 4-55	" " " " 2687'.
2- 5-55	" " " " 2943'.
2- 6-55	" " " " 3319'.
2- 7-55	" " " " 3794'.
2- 8-55	" " " " 3983'.
2- 9-55	" " " " 4222'.
2-10-55	" " " " 4678'.
2-11-55	" " " " 5076'.
2-12-55	" " " " 5219'.
2-13-55	" " " " 5412'.
2-14-55	" " " " 5574'.
2-15-55	" " " " 5777'.
2-16-55	" " " " 5887'.
2-17-55	" " " " 6069'.
2-18-55	" " " " 6266'.
2-19-55	" " " " 6460'.
2-20-55	" " " " 6543'. Cored in 8-1/2" hole from 6543' to 6559'.
2-21-55	Rigged up and ran Schlumberger electric log, microlog and dipmeter. Took sidewall samples. Ran 10-5/8" bit and opened rat hole, and drilled ahead to 6594'.
2-22-55	Drilled ahead in 10-5/8" hole to 6675'.
2-23-55	" " " " " " 6734'. Cored in 8-1/2" hole from 6734' to 6743'.
2-24-55	Drilled ahead in 8-1/2" hole to 6804'.
2-25-55	Cored in 8-1/2" hole from 6804' to 6819'. Ran Schlumberger electric log, microlog and took sidewall samples. Opened 8-1/2" hole to 10-5/8" from 6734' to 6790'.
2-26-55	Rigged up and ran 7" casing.

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DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator: RICHARD S. RHEEM, OPERATOR

Field: NEWHALL

Well No. MILLER RANCH #1

Sec. 3, T 3N, R 16W, S.B.B.& M.

Date: April 14, 1955

Signed: [illegible]
Production Engineer

Casing Detail:	Bottom		1.45'	7"	Baker Fillup Shoe
	Next	1 jt.	37.57'	7"	23# N-80 LT&C New Seamless
	Next		2.45'	7"	Baker Baffle Collar
	Next	56 jts.	2256.65'	7"	23# N-80 LT&C New Seamless
	Next	28 jts.	1102.02'	7"	23# J-55 ST&C New Seamless
	Next	79 jts.	3406.83'	7"	20# J-55 ST&C New Seamless
		164 jts.	6806.97'	-on hook	
			16.97'	-landed above K.B.	
			6790.00'	-Depth landed and cemented	

Mixed 300 sacks of Permanente Modified cement with 215 cu. ft. of water. Started mixing at 1:30 P.M.; mixing time 15 minutes. Pumped 30 cu. ft. of water ahead of cement. Used one top plug and one bottom plug. Bumped plugs after displacing cement with 1512 cu. ft. of mud. Cement in place at 1:50 P.M.

2-27-55 Test #1 Ran Johnston gun and tester and shot four 1/2" holes at 6695'. Set packer at 6645', 1/2" bean, 200' mud cushion. Opened tester at 6:30 P.M., light blow 1 minute, then weak heading blow 1 minute, then dead for balance of test. Pulled tester loose at 7:30 P.M. Recovered cushion plus 35' net rise of drilling fluid. Charts showed tool open throughout test.

W.S.O. @ 6695' witnessed and approved by Division of Oil and Gas.

2-28-55 Test #2 Ran B.J. wire line and shot four 1/2" holes/foot from 6551' to 6541'. Ran Johnston tester and set packer at 6463' with tail @ 6481', 1/2" bean, 200' mud cushion. Opened tester at 2:55 A.M. Medium blow 4 minutes, decreasing to weak blow. Gas to surface in 1 hr. and 12 min. Cushion to surface in 1 hr. 47 min. Flowed gassy mud for 12 hours--initial flow estimated 400 B/D rate and decreased to 100 B/D rate. Rigged up and swabbed drill pipe to speed up operation. Swabbed mud for 16 hours, then clear salt water, 1070 GC/G. Pulled tester loose at 8:10 A.M., March 1, 1955. Charts showed tool open throughout test.

3-1-55 Squeezed Shot Holes @ 6551'-6541'
Set Baker Model "R" squeeze tool at 6402'. Broke down formation with 3200 psi. Mixed 100 sacks of Permanente Modified cement with 72 cu. ft. of water; mixing time 6 minutes. Displaced cement with mud and squeezed 92 sacks of cement through shot holes to a final pressure of 4500 psi.

3-2-55 Drilled and cleaned out to shoe @ 6790'. Changed from clay base to Black Magic drilling fluid.

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator: RICHARD S. RHEEM, OPERATOR Field: NEWHALL

Well No. MILLER RANCH #1 Sec. 3, T 3N, R 16W, S.B.B.& M.

3-3-55	Ran core barrel to 6818', hole began sluffing. Built mud up from 69# to 78#.
3-4-55	Ran 8-1/2" bit and cleaned out hole to 6824', conditioned mud and cored in 6-1/8" hole from 6824' to 6838'.
3-5-55	Ran core barrel, found 15' fill at bottom of hole, circulated. Got returns from bottom of clear salt water, 1025 GC/G. Recovered approximately 20 barrels clear water, and mud system picked up 26% water.
3-6-55	Cored in 6-1/8" hole from 6838' to 6858'. Started out of hole with bit and well tried to flow. Built mud weight up from 78# to 90#.
3-7-55	Circulated black magic out with clay base drilling fluid, and drilled ahead in 6-1/8" hole to 6896'.
3-8-55	Drilled ahead in 6-1/8" hole to 6975'.
3-9-55	" " " " " " 7060'.
3-10-55	" " " " " " 7069'.
	Cored in 6-1/8" hole from 7069' to 7085'.
3-11-55	Drilled ahead in 6-1/8" hole to 7143'.
3-12-55	" " " " " " 7180'.
3-13-55	" " " " " " 7228'.
3-14-55	" " " " " " 7274'.
3-15-55	" " " " " " 7332'.
3-16-55	" " " " " " 7402'.
3-17-55	" " " " " " 7472'.
3-18-55	" " " " " " 7516'. Ran Schlumberger electric log, microlog, and sidewall sampler. Left six sidewall sample cans in the hole.
3-19-55	Ran junk basket and cleaned out to 7520'. Drilled ahead in 6-1/8" hole to 7546'.
3-20-55	" " " " " " 7601'.
3-21-55	" " " " " " 7638'. Ran Schlumberger electric log, dipmeter and sidewall sampler. Hung 3-1/2" drill pipe at 7512'. Mixed 70 sacks Permanente Modified cement with 46 cu. ft. of water and equalized plug from 7512' to 7180'. Pumped 25 cu. ft. of water ahead of cement and 5 cu. ft. behind. Displaced with 263 cu. ft. of mud. Plug in place at 3:00 A.M.
3-22-55	Found top of plug @ 7287'. Hung 3-1/2" open end drill pipe at 7286' and equalized 33 sacks of Modified cement with 24 cu. ft. of water. Located top of plug at 7148'. Faced off plug to 7180' and plug held 20,000# of weight with 1500 psi pump pressure.
3-23-55	Circulated and conditioned mud to run 5" liner.

Liner Detail:			
	Bottom	1.50'	5" Baker Float Shoe
	Next	348.95'	5" 18# N-80 LT&C New Seamless
	Top	1.20'	5"-7" Burns Grooved Liner Hanger
		351.65'	Total Length

Liner hung at 6709' with shoe at 7060'.

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DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator: RICHARD S. RHEEM, OPERATOR Field: NEWHALL

Well No. MILLER RANCH #1 Sec. 3, T 3N, R 16W, S.B.B.& M.

Mixed 90 sacks Modified cement with 64 cu. ft. of water and displaced with 5 cu. ft. of water and 276 cu. ft. of mud. Used 30 cu. ft. of water ahead of cement. Cement in place at 12:45 P.M.

3-24-55 Ran in with 4-1/8" bit and Baker scraper and drilled out cement from 6682' to 6709'. Cleaned out to 7002' and drilled out cement from 7002' to 7050'.

3-25-55 Test #3 Ran in with Johnston Tester, shot four 1/2" holes @ 7044', set packer at 7014'. Opened tester and received light blow for 3 minutes, decreasing to faint, and dead at end of 5 minutes. Dead for balance of 1 hr. test. Recovered 441' mud cushion and 115' of watery mud grading to muddy water (60'-100') testing 110 GC/G. Mud from pits tested 40-50 GC/G. Estimated 0.3 barrels of water taken on during 1 hr. test.

Drilled out cement to 7060' and cleaned out to 7180'. Circulated and conditioned mud.

Test #4 Ran in with Johnston Tester and made test with packer set at 7014', shoe at 7060', open hole to 7180'. Had steady blow for 1 hr. and 20 min. 441' mud cushion surfaced. Well flowed salt water with trace of dead, tarry oil. Oil had poor dark brown, hardly visible fluorescence and would dissolve slightly in carbon tetrachloride giving cut which would increase to black. Salinity gradually increased from 300 GC/G at beginning of test to average of 850-900 GC/G at end of test. Pulled tester loose after 7-1/4 hours.

3-26-55 Test #5 Ran Johnston gun and straddle tester. Shot four 1/2" holes at 6983'. Bottom packer set at 7003'; top packer at 6970'. Used 338' mud cushion. Opened tool at 7:30 A.M. Received immediate light blow steady for 20 minutes, then decreasing to weak blow, decreasing to faint end of 50 minutes, dead at end of 1 hr. Pulled tester loose at 9:05 A.M. Recovered 5190' net rise of salt water. Water tested 510 GC/G at 4300' above tool; 750 GC/G at 2550' above tool; 810 GC/G at 730' above tool; 900 GC/G at 340' above tool; and 920 GC/G at tools. Water was clear amber color with no shows of oil. Charts showed both packers held OK.

Hung drill pipe at 7176' and equalized 50 sacks of Victor Construction cement. Cement in place at 5:00 P.M. Found top of plug at 6801' @ 12:00 A.M.

3-27-55 Tore out B.O.E. Ran Ford Alexander free-point indicator and found casing free to 1800'. Shot casing off at 1797' and recovered 42 joints of 7" casing, 1785'.

Ran open end drill pipe to 1800', equalized 20 sacks of Victor Construction cement and displaced with 74 cu. ft. mud. Cement in place at 10:55 P.M.

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator: RICHARD S. RHEEM, OPERATOR Field: NEWHALL

Well No. MILLER RANCH #1 Sec. 3, T 3N, R 16W, S.B.B.& M.

3-28-55	Felt for plug and found top @ 1600'. Witnessed and OK'd by Division of Oil and Gas. Hung drill pipe @ 614' and equalized 30 sacks construction cement. Plug in place @ 7:30 A.M. Set 10' surface plug and abandoned. * * * * * * * * * * * * * *

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DIVISION OF OIL AND GAS

Log and Core Record of Oil or Gas Well

Operator: RICHARD S. RHEEM, OPERATOR Field: Newhall

Well No. MILLER RANCH #1 Sec. 3, T 3 N, R 16 W, S.B.B.& M.

Top of Form.	Bot. of Form.	Thickness	D or C	Recovery	Description
0	6543'	6543'	D		
6543'	6559'	16'	C	7'	7' Conglomerate, varied igneous rock types with lime cemented silty matrix, typical San Gabriel complex varieties. 30° dips in siltstone, good. Two 3" cored boulders of Granodiorite. Core blew out of barrel. 7' interval mixed in trays.
6559'	6734'		D		
6734'	6743'	9'	C	3'	2' Sandstone conglomerate, green and gray-green, soft, silty and decomposed, fine to pebbly, poor sorting, mostly angular, calcarious cement. Very clayey silty matrix. No flash, odor, stain, cut, or fluorescence. Wet appearance, some patches have greenish brown earthy appearance. No dip or fractures noticed. 1' Igneous boulders up to 5" diameter.
6743'	6804'		D		
6804'	6819'	16'	C	3'	3' Alternating bands of hard, dark gray siltstone and very fine to fine dark brown oil sand. Bands of sand ranging from 1/2" to 2". Sands firm to friable. Well saturated. Bleeding free oil when fresh. Good odor and dark brown cuts. Free oil on sand-siltstone interfaces. Gas bubbles on mud sheath. Odor gone in few hours. Dips found from 45° to 62°. One fracture zone with gauge dip ± 50°.
6819'	6824'		D		
6824'	6838'	14'	C	6"	6" Assortment of cobbles and pebbles ranging from 1/2" to 2" in diameter. Well rounded, hard, igneous rock types.
6838'	6858'	21'	C	2'	2' Varied cobbles, 1" to 3" diameter.

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DIVISION OF OIL AND GAS

Log and Core Record of Oil or Gas Well

Operator: RICHARD S. RHEEM, OPERATOR Field: Newhall

Well No. MILLER RANCH #1 Sec. 3, T 3 N, R 16 W, S.B.B.& M.

Top of Form.	Bot. of Form.	Thick-ness	D or C	Recovery	Description
6858'	7069'		D		
7069'	7085'	16'	C	4'	4' Conglomeratic Oil Sand, gray-green pebble conglomerate with dirty clay matrix. Wide range grain-size from fine to very coarse pebbles 1" diameter, cobbles to 2-1/2". Noted one cobble green micaceous schist. Core streaked regard to permeability largely depending on degree of sorting. Good odor, instant cuts from light whiskey to dark brown.

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DIVISION OF OIL AND GAS

Log and Core Record of Oil or Gas Well

Operator: RICHARD S. RHEEM, OPERATOR

Field: NEWHALL

Well No. MILLER RANCH #1

Sec. 3, T 3N, R 16W, S.B.B.& M.

SIDEWALL SAMPLES

Depth	Recovery	Description
6521'	1"	Claystone, silty, badly crumbled, possible gouge, medium gray color, slightly olive color, soft. No visible cut, pale yellow CCl_4 cut.
6524'	1"	Siltstone, slight olive-medium gray brown, considerably fine sand, abundant fine micaceous, easily friable. No visible cut, no odor, slight CCl_4 pale yellow cut.
6531'	1"	Conglomerate, as in sample above except for matrix which is extremely silty, somewhat clayey, fine sand, with scattered medium grained spots of woody carbonaceous material. Light amber cut. No definite odor.
6543'	1/2"	Conglomerate, 2/3 of sample fragments of granite pebbles, abundant feldspars, slightly kaolinitic matrix. Fine, somewhat silty sand, mottled light gray and medium brown gray, soft, low porosity and permeability. No odor, good amber cut.
6548'	1"	Sand, dark gray, badly sorted, predominately fine grained with abundant medium and coarse, common granules feldspathic and kaolinitic. Fair porosity and permeability, soft. Immediate very dark brown cut.
6555'	1-1/4"	Siltstone, light gray brown, micromicaceous, fairly high clay content, streaks of fine, light gray sand. No odor.
6720'	2"	Sand, medium grained, light olive brown-light gray, mottled, irregular staining, common coarse grains, much fine sand, little silt, soft. Fair P&P, somewhat kaolinitic. No visible cut.
6724'	1/2"	Conglomeratic sand, coarse, light greenish gray, feldspathic, badly kaolinitic, considerable medium sand, much fine sand, mushy. Grains and pebbles of quartz and quartzite, some large feldspars. No oil odor, very light pale cut.
6731'	1-1/4"	Sand, light slightly olive gray, poorly sorted, fine to coarse, abundant feldspars, chiefly kaolinitic, mushy, very low porosity and permeability. Very light pale cut, no definite odor.
6735'	1/2"	Mud, powdery, feldspar material.
6796'	1/2"	Mud, questionable bentonite.

DIVISION OF OIL AND GAS

Log and Core Record of Oil or Gas Well

Operator: RICHARD S. RHEEM, OPERATOR

Field: NEWHALL

Well No. MILLER RANCH #1

Sec. 3, T 3N, R 16W, S.B.B.& M.

SIDEWALL SAMPLES

Depth	Recovery	Description
6800'	1/2"	Blackish fine silty sand, dark brown cut, spotty (bright ?) yellow fluorescence. Gasoline odor.
6801'	1-1/2"	Sand, dark gray, very poorly sorted, common medium-coarse grains, much fine sand, much silt throughout plus nests of high silt content, soft to mushy. Sour earthy odor. Immediate dark cut, almost black.
6806'	1"	Siltstone, medium gray, slight brown cast, some clay, a little fine sand, micromicaceous, firm, friable. No odor.
6808'	1/2"	Laminated sand and silt, bluish-whitish fluorescence. Gasoline odor. Faint cut.
6811'	1-1/4"	Good odor, dark brown cut, sand, fine, with medium sand, medium gray brown, soft, mushy, subrounded grains.
6815'	1"	Good odor, dark brown cut, sand, fine, very silty, with some clay, slightly plastic, floury texture, abundant fine biotite, soft, faint streaks of silty material.
6819'	1-1/4"	Sand, fine, medium gray brown, micromicaceous, soft. Good immediate visible cut, dark brown, good odor.
6823'	1"	Sand-siltstone, N.S.O.F. No visible cut. Faint CCl_4 fluorescence. Streaks of fine sand, micromicaceous, soft, buff with irregular streaks and patches of medium gray, sandy clay and siltstone.
6839'	3/4"	Pebbly fragments, coated with fine sand, black carbonaceous material. Fair dull yellow fluorescence. Good varnish odor. Light straw cut.
6925'	3/4"	Fine grained sand with streaks of clay, varnish odor. Dull yellow fluorescence with spots of bright fluorescence in center of sample. Immediate light brown cut.
6951'	1/2"	Sand, gray-tan-gray, friable, even texture, good sorting, rounded, poor to weak fluorescence. Slight odor. Immediate dark straw cut, very fine grained, even, mud injected in part.
6999'	1/2"	Oil Sand, light brown, green to tan, friable, fair to even texture, fair sorting, sub-rounded. Sand is streaked with clays, gray in color. Good odor, yellow fluorescence in sand streaks. Clay streaks throughout very fine grained sand. Immediate straw cut.

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DIVISION OF OIL AND GAS

Log and Core Record of Oil or Gas Well

Operator: RICHARD S. RHEEM, OPERATOR Field: NEWHALL

Well No. MILLER RANCH #1 Sec. 3, T 3N, R 16W, S.B.B.& M.

SIDEWALL SAMPLES

Depth	Recovery	Description
7024'	1/2"	Oil Sand, tan to gray-green, friable, even texture, fair sorting, sub-rounded to round. Thin streaks 1/16" gray clay and very fine fairly well sorted micaceous sand. Pale fluorescence. Immediate light straw cut.
7047'	3/8"	Oil Sand (?)-clayey sand, white to green-gray, firm to hard and friable, varied texture, poor sorting, sub-rounded to angular. Slight odor. Very clayey pebble, fragment, one very hard sandstone flake. Straw cut. Slight to weak fluorescence.
7052'	1/2"	Oil Sand, green-gray to tan streaks, friable, varied texture, poor sorting, angular to sub-rounded. Range fine to coarse, few small pebbles, immediate light straw cut. Fair yellow fluorescence, streaks of clay. Good odor.
7066'	1/2"	Fine sand, with few small pebble fragments. Immediate brown cut. Good fluorescence. Sample unconsolidated oil stain. Faint varnish odor.
7079'	1/2"	Small amount unconsolidated oil staining. Fluorescence fair, immediate brown cut. Fine sand with few pebble fragments. Faint varnish odor.
7090'	1/2"	Small amount unconsolidated sand as above with some clayey material. Immediate light brown cut. Faint varnish odor. Good fluorescence.
7107'	1/2"	Small amount of unconsolidated sand as above. Immediate light brown cut. Fair fluorescence. Faint varnish odor.
7136'	1/2"	Silty fine grained sand. Good yellowish brown dull fluorescence. Immediate brown cut. Faint varnish odor.
7144'	1/2"	Fine grained sand with some coarse grains and silty streaks. Varnish odor. Dull yellowish fluorescence. Pale to dark straw cut.
7270'	1"	Clay, brick red-orange, soft, even texture. Sespe clay with few small angular small pebbles.
7300'	1"	Sand, gray-green, friable, uneven texture, poor sorting, angular, kaolinitic, very coarse, green clayey sand. N.O.S.C.F. Coarse angular grains to small pebbles.
7320'	1"	Sand, as above.
7362'	1/8"	Pebble fragment chips only, as above.
7545'	1/2"	Pebble fragment chips only, as above.

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FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 155-1016

Mr. Oliver S. Northcote
210 West 7th Street
Los Angeles 14 California
Agent for RICHARD S. RHEEM, OPERATOR

Los Angeles 15 Calif.
May 4 19 55

DEAR SIR:

Operations at your well No. "Miller Ranch" 1 Sec. 3, T. 3 N, R. 16 W, S B B. & M., Newhall Field, in Los Angeles County, were witnessed on April 6, 19 55. Mr. W. Polglase, Engineer, representative of the supervisor was present from 4:30 to 5:00 p.m. There were also present C. Rhoads, Drilling Foreman; O. Jefferson, Driller.

Present condition of well: 11-3/4" cem. 440'; 7" cem. 6790'; four ½" holes 6695', W.S.O., cut and pulled from 1797'; 5" cem. (6709'-7060'), four ½" holes 7044', four ½" holes 6983'. T.D. 7638', plugged with cement 7512'-7180', 7176'-6801', 1800'-1761'±, 614'-555', and 14'-4'.

The operations were performed for the purpose of witnessing the plugging operations in the process of abandonment.

Mr. xxxx reported:

ENGINEER G. Y. LEE VISITED THE WELL FROM 5:00 - 5:45 a.m., March 28, 1955, and Mr. Rhoads reported: 1. An 8½" rotary hole was drilled from 6790' to 6819'; a 6-1/8" rotary hole, 6819'-7638'.

2. On March 21 and 22, 1955, 103 sacks of cement was pumped into the hole through 3½" drill pipe hanging at 7512', filling to 7180'.
3. On March 23, 1955, 5", 18 lb. liner was cemented from 6709' to 7060' in 6-1/8" hole with 90 sacks of cement, filling the annulus to the top of the liner.
4. The 5" casing was shot-perforated with four ½" holes at 7044' and tested dry.
5. The 5" casing was shot-perforated with four ½" holes at 6983' and tested wet.
6. On March 26, 1955, 50 sacks of cement was pumped into the hole through 3½" drill pipe hanging at 7176', filling to 6801'.
7. The 7" casing was shot at 1797' and pulled from that depth.
8. On March 27, 1955, 20 sacks of cement was pumped into the hole through 3½" drill pipe hanging at 1800', calculated to fill to 1761'.

THE ENGINEER NOTED THAT in the process of demonstrating the location and hardness of the plug at 1761'±, the hole became bridged at 1620', and supported 11 points of the weight of the drill pipe.

ENGINEER W. POLGLASE ARRIVED AT THE WELL AT 4:30 P.M. AND MR. NEELY REPORTED:

1. On March 28, 1955, 30 sacks of cement was pumped into the hole through 3½" drill pipe hanging at 614', calculated to fill to 555'.
2. The hole was bridged at 14'.
3. On March 28, 1955, 6 sacks of cement was dumped into the hole, filling to the top of the 11-3/4" casing, which is located in the cellar floor 4' below the surface of the ground.

THE ENGINEER NOTED the cellar was approximately one-half full of set cement that had been dumped after cementing operations in the well had been completed.

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

WP:OH

E. H. MUSSER
State Oil and Gas Supervisor

By R. N. Nelling Deputy

cc Richard S Rheem Operator
1831 Truxtun Avenue
BAKERSFIELD California

12362 2-55 18,100 ② SPO

D/C

FORM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 155-615

Mr. Oliver S Northcote
210 West 7th Street
Los Angeles 14 Calif
Agent for RICHARD S RHEEM OPERATOR

Los Angeles 15 Calif.
April 7 19 55

DEAR SIR:

Your proposal to abandon Well No. "Miller Ranch" 1,

Section 3, T. 3 N., R. 16 W. S.B. B. & M., Newhall Field, Los Angeles County,

dated Mar. 26, 1955, received April 5, 1955, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES
"THE PRESENT CONDITION OF THE WELL IS:
1. Total Depth: 7638'
2. Complete casing record, including plugs:
11-3/4" surface csg. cemented @ 440' w/387 sacks Type "O" 2% CaCl treated cement.
7" casing cemented @ 6790' w/300 sacks Type "M" cement.
5" cemented 7060'-6709' with 90 sacks.
3. Last Produced Never Produced
(Date) (Oil, B/D) (Water, B/D)

Additional Data for Dry Hole
4. Oil or Gas showings and results of tests:
Shows gas and oil from 6530'-7200'.
All tests either flowed or gave large rises of salt water 800-900 GC/G.
5. Stratigraphic markers and depths:

6. Geologic age at bottom: Sespie
7. Base of fresh water sands: 3460'."

PROPOSAL
"THE PROPOSED WORK IS
1. Hang open end drill pipe @ 7180' and equalize 35 sacks cement.
2. Hang open end drill pipe at 1800' and displace 20 sacks cement. Plug to be witnessed by D.O.G.
3. With drill pipe hung at bottom of surface casing, displace 30 sacks cement.
4. Place 10' surface plug and abandon.
Per telephone conversation, Boyer with Division of Oil & Gas Engineer, 3-26-55."

DECISION
THE PROPOSAL, COVERING WORK ALREADY COMPLETED IN ACCORDANCE WITH PRIOR AGREEMENT, IS APPROVED.

FEK:mn

cc Richard S Rheem, Operator
Blanket Bond.

E. H. MUSSER, State Oil and Gas Supervisor

By R. H. Walling, Deputy

11210 1-55 30M SPO

FORM 108. 95391 3-54 23,800 ④ SPO

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
APR 5 1955
LOS ANGELES, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

Bakersfield, Calif. March 26 19 55

DIVISION OF OIL AND GAS

In compliance with Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well No. Miller Ranch #1, Sec. 3, T. 3 N,

R. 16 W, S.B.B. & M., Newhall Field, Los Angeles County,

commencing work on March 26, 19 55.

THE PRESENT CONDITION OF THE WELL IS:

1. Total Depth: 7638'

2. Complete casing record, including plugs:

11-3/4" surface csg. cemented @ 440' w/387 sacks Type "O" 2% CaCl treated cement.
7" casing cemented @ 6790' w/300 sacks Type "M" cement.
5" cemented 7060'-6709' with 90 sacks.

3. Last Produced Never Produced
(Date) (Oil, B/D) (Water, B/D)

ADDITIONAL DATA FOR DRY HOLE

4. Oil or Gas showings and results of tests:
Shows gas and oil from 6530'-7200'. All tests either flowed or gave large rises of salt water 800-900 GC/G.

5. Stratigraphic markers and depths:

6. Geologic age at bottom: Sespie
7. Base of fresh water sands: 3460'

THE PROPOSED WORK IS

1. Hang open end drill pipe @ 7180' and equalize 35 sacks cement
2. Hang open end drill pipe at 1800' and displace 20 sacks cement. Plug to be witnessed by D.O.G.
3. With drill pipe hung at bottom of surface casing, displace 30 sacks cement.
4. Place 10' surface plug and abandon.

Per telephone conversation, Boyer with Division of Oil & Gas Engineer, 3-26-55.

Abandon

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121

1831 Truxtun Avenue
(Address)
Bakersfield, FAirview 3-9292
(Telephone No.)

RICHARD S. RHEEM, OPERATOR
(Name of Operator)
By W. L. Boyer

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

FORM 109-A

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 155-595

Mr. Oliver S Northcote
210 West 7th Street
LOS ANGELES 14

Los Angeles 15 Calif.
March 17 1955

Agent for RICHARD S RHEEM OPERATOR

DEAR SIR:

Your well No. "Miller Ranch" 1, Sec. 3, T. 3 N, R. 16 W, S B B & M. Newhall Field, in Los Angeles County, was tested for water shut-off on February 27, 1955. Mr. W. Polglase, Engineer, designated by the supervisor was present from 9:30 to 10:30 p.m. as prescribed by law; there were also present C. Rhodes, Drilling Foreman; O. Jefferson, Driller.

Shut-off data: 7 in. 23 lb. casing was xx cemented xxxx at 6790 ft. on February 26, 1955 in 10-5/8 in. hole with 300 xxxx ft.—sacks of cement xxxxx calculated to fill behind casing to 5804 ft. below surface.

Casing record of well: 11-3/4" cem. 440'; 7" cem. 6790', four ½" holes 6695', W.S.O.

Present depth 6819 ft. cmt. bridge 6790 ft. to 6748 ft. Cleaned out cmt. xxxx ft. to 6748 ft. for test. A pressure of 1000 lb. was applied to the inside of casing for 15 min. without loss after cleaning out to 6748 ft. A Johnston gun and tester was run into the hole on 3-1/2 in. drill pipe-~~xxxxx~~ with 200 ft. of ~~xxxx~~ mud cushion, and packer xx set at 6645 ft. with tailpiece to 6668 ft. Tester valve, with 3/4 in. bean, was opened at 6:30 p.m. and remained open for 1 hr. and xxx min. During this interval there was a light blow 1 min., and no blow thereafter.

Mr. Rhodes reported:

1. A 10-5/8" rotary hole was drilled from 440' to 6790'; an 8½" rotary hole, 6790'-6819'.
2. The 7" casing was cemented as noted above.
3. The 7" casing was shot-perforated with four ½" holes at 6695'.

THE ENGINEER NOTED:

1. When the drill pipe was removed, a net recovery of 35' of drilling fluid was found in the drill pipe above the tester, equivalent to 0.3 bbl.
2. The recording pressure bomb chart showed that the tester valve was open 1 hr.

THE 7" SHUT-OFF AT 6695' IS APPROVED.

WP:OH

WP

cc Mr Richard S Rheem, Operator
1831 Truxtun Avenue
Bakersfield California

S. H. MOSER
R. D. BUSH, State Oil and Gas Supervisor

By R. N. Wellborn, Deputy

87312 10-53 28,500 SPO

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 155-429

Mr. Oliver S Northcote
210 W 7th St
Los Angeles 14 California
Agent for RICHARD S. RHEEM, OPERATOR

Los Angeles 15 Calif.
February 25 1955

DEAR SIR:

Operations at your well No. "Miller Ranch" 1 Sec. 3, T. 3 N, R. 16 W, S B B. & M., Newhall Field, in Los Angeles County, were witnessed on February 8, 1955. Mr. M Dosch, Engineer, representative of the supervisor was present from 12:00 M to 1:00 P.M. There were also present C M Rhoads, Drilling Foreman
D W Jefferson, Driller

Present condition of well: 11-3/4" cem. 440'; T.D. 3850'

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

Mr. Rhoads reported:

1. A 17-1/2" rotary hole was drilled from the surface to 440'.
2. On January 28, 1955, 11-3/4" 42 lb. casing was cemented at 440' with 387 sacks of cement.
3. Cement returned to the surface.
4. A 10-5/8" rotary hole was drilled ~~150'~~ 440'-3850'.

THE ENGINEER NOTED that the well was equipped with the following blowout prevention equipment:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole and for closing around the 4-1/2" drill pipe.
2. A Regan blowout preventer for closing around the 4-1/2" drill pipe.
3. The controls for the above equipment were located outside the derrick.
4. A 2" mud fill-up line with a 2" high pressure stopcock into the 11-3/4" casing below the above equipment.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

MD:BS

cc Richard S Rheem, Operator

E. H. MUSSER
State Oil and Gas Supervisor

By R. N. Walling Deputy

5440 9-54 17,850 ② SPO

Form 9-1-6

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. 2 [illegible]

Mr. [illegible] Calif.
[illegible]
[illegible]

Agent for [illegible]

Dear Sir:

Operations at your well No. [illegible] Sec. [illegible] T. [illegible] R. [illegible] B. & M.,
[illegible] Field, in [illegible] County, were witnessed
on [illegible] 19[illegible], by [illegible] representative of the undersigned who present
from [illegible] These were also present [illegible]

Present condition of well: [illegible]

The operations were performed for the purpose of [illegible]

Mr. [illegible] reported:

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]
11. [illegible]
12. [illegible]
13. [illegible]
14. [illegible]

[illegible]

Sincerely yours,

[illegible]

R. H. MOSSER
State Oil and Gas Supervisor

By [illegible] Deputy

Form 9-1-6

FORM 111 (1-49)

E

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 155-133

Mr. Oliver S Northcote
210 West 7th Street
LOS ANGELES 14
Agent for RICHARD S RHEEM, OPERATOR

Los Angeles 15 California
January 31 1955

124

DEAR SIR:

Your _____ proposal to drill Well No. "Miller Ranch" 1,

Section 3, T. 3 N, R. 16 W, S B B. & M., Newhall Field, Los Angeles County,

dated Jan. 20 19 55, received Jan. 24 19 55, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES
"Legal description of lease See attached
Location of Well: 1443.61 feet Northerly and 304.38 feet Easterly at right angles to said line from the Southwest corner of Lot 28 of St. Johns Subdivision.
Elevation of ground above sea level 1274 feet Sea Level datum.
All depth measurements taken from top of Kelly Bushing which is 12.8 feet above ground."

PROPOSAL
"PROPOSED CASING PROGRAM

Size of Casing inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
11-3/4"	42#	H-40	Surface	450'	Surface to 450'
7"	23 & 26#	J-55	Surface	6500' ✓	300 sacks @ 6500'

Intended zone or zones of completion: Unnamed Upper Miocene Sands
- Exploratory Hole -
It is understood that if changes in this plan become necessary we are to notify you before running casing."

DECISION
THE PROPOSAL IS APPROVED PROVIDED THAT
1. Mud fluid consistent with good drilling practice shall be used and the column of mud fluid maintained at all times to the surface, particularly while pulling the drill pipe.
2. Adequate blowout prevention equipment shall be installed and maintained in operating condition at all times.
3. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 2000'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

P/P

FEK:OH

CC Richard S Rheem, Operator
1831 Trusten Avenue
Bakersfield California

E. H. MUSSER
State Oil and Gas Supervisor

Blanket bond.

By R. N. Walling Deputy

98406 5-54 25M SPO

FORM 105

10E

STATE OF CALIFORNIA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JAN 24 1955
LOS ANGELES, CALIFORNIA

037-13212

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

Bakersfield, Calif. January 20, 1955

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. "Miller Ranch" #1, Sec. 3, T. 3 N., and R. 16 W., S.B.B. & M., Newhall Field, Los Angeles County.

Legal description of lease See Attached
(Attach map or plat to scale)

Location of Well: 1443.61 feet Northerly (Direction) ~~along section line~~ property and 304.38 feet Easterly (Direction) at right angles to said line from the Southwest corner of ~~section~~ property Lot 28 of St. Johns Subdivision.

Elevation of ground above sea level ~~1281~~ 1274 feet 1274 + 13 = 1287 Sea Level datum.

All depth measurements taken from top of Kelly Bushing (Derrick Floor, Rotary Table or Kelly Bushing) which is 12.8 feet above ground.

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
11-3/4"	42#	H-40	Surface	450'	Surface to 450'
7"	23 & 26#	J-55	Surface	6500'	300 sacks @ 6500'

Intended zone or zones of completion: Unnamed Upper Miocene Sands - Exploratory Hole -

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
MA WZP 18A			Blanket		

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address 1831 Truxtun Avenue

Telephone Number FAirview 3-9292

RICHARD S. RHEEM, OPERATOR
(Name of Operator)

By F. P. Mercier
F. P. Mercier

SEND ONE COPY OF NOTICE TO DIVISION OFFICE IN DISTRICT WHERE WELL IS LOCATED

RICHARD S. RHEEM
Operator

1831 Truxtun Avenue
Bakersfield, California

January 24, 1955

Division of Oil and Gas
1015 West Olympic Boulevard
Los Angeles 15, California

Gentlemen:

Please refer to Form 105, Notice of Intention to Drill New Well, covering Miller Ranch #1 in Section 3, Township 3 North, Range 16 West, S.B.B.& M.

The ground elevation should be corrected to read 1274.5' as shown on the survey plat enclosed.

Yours very truly,

RICHARD S. RHEEM, OPERATOR

F. P. Mercier

F. P. Mercier
Production Supervisor

FPM:lkh
Enc.

Notice corrected
FJK 1/28/55

FIELD NOTES

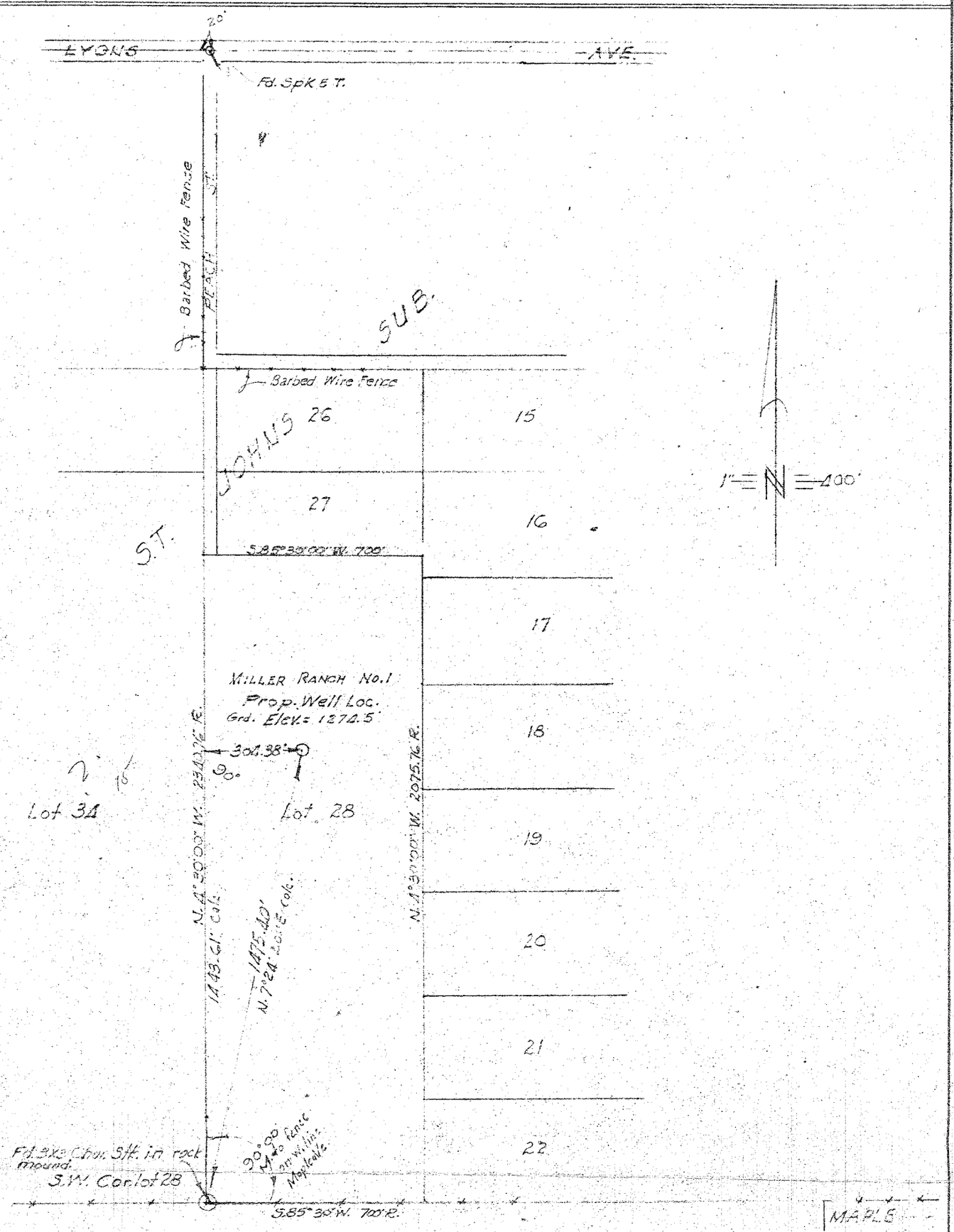
SHEET 1 OF 1 SHEETS

NAME OF COMPANY: RHEEM OIL CO.	DATE: 1-19-55	JOB NUMBER: 15578	
DESCRIPTION: Stk. Well Loc. in field as directed by Mr. Woodward	TOWN: Newhall	SURVEY PARTY: E. Mills, T. Kimpson, E. Kelsey	CHKD BY: C
	COUNTY: L.A.		

PHONES 4-8533
NE 6-4096

Homer R. Dulin Company
ENGINEERS AND SURVEYORS

729 EAST WILLOW STREET
LONG BEACH 6, CALIF.




HUMBLE OIL & REF.
N.L. & F
E-1
5-1
(Newhall Land & Farming Co.)
5-3
Cor. 3
en) 12 Ac.
5-2
LYONS AVE.
ATWOOD
ADDITION
(Runco)
19 Ac.
W. Stone)
0 Ac.
GOLDEN
3043'
(Miller Ranch)
100 Ac.
1443'
(Gibson
W. Lyon
McWhirter
11.40 Ac.
SO. CALIF. PET. CORP.
44-1
6067'
(Lassalle)
44
43
36
(Dobbin
Atwood
TRACT
42
(Lassalle)
202 Ac.
(F. E. Devendorf)
54
Jos. W. AIDLIN & BERING
Atwood
(N. Aitk
23.5 A
HOWARD
MUTUAL DEV. CORP.
Lasalle
STATE
(Atwood)
NO.
58
41
10
(Larinan)
61
Hill
assalle