

U. S. LAND OFFICE Hew Mexico SERIAL NUMBER 03563 LEASE OR PERMIT TO PROSPECT

LEASE OR PERMIT TO PROSPECT 14-00-001-1051
UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

With the second LOG OF OIL OR GAS WELL

Company Si Paus Returned See Company Address Sex 967, Faustragton, New Newtoo eases or Tract As Julian 20-10. Units Single Blanco. State New Mexico MORM County Ald Scale New Mexico (1981). See J. T. 273 R. 3' Merchan MORM County Ald Scale New Mexico for as can be determined from all available records. Signed The formation given herewith is a complete and correct record of the well and all works dose thereon for a see as be determined from all available records. Signed The Engineer Of the Section 11, 1955. This should drilling July 22, 19-55 Countered of the well as above date. Commenced drilling July 27, 19-55 Finished drilling July 22, 19-55 Countered by 69 Counter so 69 County so 69	LOCAT		CORRECTLY										
Well No.	Company	E7 F	as. Natur	ral Gas C	ompany	Add	ress	Box 997, Fa	rming	ton, Ne	w Mexico		
Well No.	Lessor or	Tract .											
The information given berewith is a complete and correct record of the well and all west done thereon of are see mb determined from all available records. Signed Date September 14, 1955 The cammary on this page is for the condition of the well at above date. Commenced drilling JULY 7 10, 25 Finished drilling JULY 7 10, 25	Well No.	43	Sec. 7	T. 2711R.	бW Meri	dian	NMP	MCou	mty	Ri	o Arriba		
The information given herewith is a complete and corrost roord of the well, and all work done thereon for an can be determined from all available records. Signod Title Petroleum Engineer The summary on this page is for the condition of the well at above date. Commenced drilling July 1 19 25 Finished drilling July 22 19 25 OLOR CAS SANDS OR ZOMES (Dende cast to C) No. 1, from 2-2 to 2-25 (20 No. 4, from 4925 to 5455 (3) No. 2, from 4462 to 4630 (3) No. 5, from 4925 to 5455 (4) No. 3, from 4610 to 4929 (9) No. 6, from 100 No. 3, from 100 No. 3, from 100 No. 3, from 100 No. 4, from 100 No. 4, from 100 No. 3, from 100 No. 2, from 100 No. 4, from 100 No. 5, from 100 No. 5	Location	790	ft. of of	Line ar	820 _{ft.}	of	Lir	ne of Section	n 7	Ele	vation 61841		
Signate			(100)			, ,				,			
Date September 14, 1955 Title Petroleum Engineer						_	,			Cali	& och		
The summary on this page is for the condition of the well at above date. July 22			Samramhay	. 1h 205	Sig	ned	<i>-</i>		()	Journ En	rinon		
Commenced drilling						a			re or t	ream kn	Gineer		
OIL OR CAS SANDS OR ZONES Content park by 67			• -	_						T. 1 0	A		
No. 1, from 2.20 to 2.25 (2) No. 4, from 1.095 to 5.155 (2)	Commend	ed drill	ing	July	, 19-	.22 Fin	ished	drilling		July 2	2, 1955		
No. 1, from 2.20 to 2.20 (i) No. 4, from 2.95 to 5.155. (ii) No. 2, from 1460 to 14995 (iii) No. 6, from 1610 to 14995 (iiii) No. 4, from 1610 to 1610				OII				ZONES					
No. 2, from 460 to 4995 Q) No. 5, from No. 5, from Mc10 to 4995 Q) No. 6, from More Sands No. 1, from to No. 4, from To No. 4	NT. 1 6		2020	to	•			m 4095		to 5	155 (G)		
No. 3, from LAGO Lo LAGO No. 6, from LAGO No. 1, from No. 2, from LAGO No. 4, from No. 4, from No. 2, from Lago No. 4, from No. 4, from No. 2, from No. 4, from No. 4, from No. 4, from No. 2, from No. 4, from No											-22(9/		
Important water sands No. 3, from No. 3, from No. 2, from No. 4, from No. 4, from No. 2, from No. 4, from No.			1610					/	R				
No. 1, from No. 2, from No. 4, from to No. 4, from to No. 2, from No. 4, from to No. 4, from No. 2, from No. 2, from No. 4, from No. 4, from No. 2, from No. 4, fr	No. 3, fro	m			-		•	//	·	*10			
No. 2, from No. 4, from				_				" # C	11	100	0		
CASING RECORD Color Colo								7.	<u>, .</u>	7 to	·)		
New No. The radie per Make Amount Kind of shot Cut and point from To To Difface Cut Cut To To Difface Cut Cut To To Difface Cut Cut To Cut To Cut To Cut To Cut To Cut	No. 2, fro	m		to				m		to	J		
Name					CASI	NG REC	ORD	,		-	<u></u>		
25/3 25/3 25/3 25/3 25/3 25/3 3.	Size V casing p	Veight er foot	Threads per inch	Make	Amount	Kind of sh	oe Cu	t and pulled from			Purpose		
			P.E.	5.%.	162	Howe	2		-		Surface		
Prod.Tig. Prod.Tig. Prod.Tig. Prod.Tig. Prod.Tig.				i					i		1		
MUDDING AND CEMENTING RECORD						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
MUDDING AND CEMENTING RECORD Mud gravity Amount of mud used 1.72 1.25 Circulated Mud gravity Amount of mud used 2.5/5 1.72 1.25 Circulated Circulate										!			
Size	2"	4.7	8 RD	J-55	5164				<u> </u>		Prod. Tog.		
Plus And Adapters Plus And Adapters				MUDD	ING AND	CEMEN	TINC	RECORD					
Plugs AND ADAPTERS Depth set		Where se	t Num	iber sacks of ce	ment	Method use	d	Mud gravity		Amount o	f mud used		
		173	} '	125	c	irculate	d						
Plugs And Adapters	7	4420) !	500	<u>S</u>	ingle S	ege _						
Plugs And Adapters Depth set													
					PLUGS	AND AD	APTE	RS					
Size	Heaving 1	olug—N	Material						Depth	set			
Shed tase Shed tase Shed tase Quantity Date Depth shet Depth cleaned out													
TOOLS USED Gas Drilled	Adapters	141 26 00	1101										
TOOLS USED Gas Drilled	Siza	Sh	ell used	Explosive u	sed	Quantity	Date	Depth shot		Depth c	eaned out		
TOOLS USED Gas Drilled		-		See Well	History.								
TOOLS USED Gas Drilled													
Rotary tools were used from 0 feet to 1420 feet, and from 1420 feet to 5180	,												
Cable tools were used from								t and from	-				
### DATES July 24													
### The production for the first 24 hours was barrels of fluid of which	Cable too	ols were	used from		feet to		106	et, and from		1eet t	to leet		
The production for the first 24 hours was barrels of fluid of which			To a Colo	16 - 5	4.		to pr	ndueina			10		
### Gravity, **B6			-				-	_					
If gas well, cu. ft. per 24 hours 3,758,000 Gallons gasoline per 1,000 cu. ft. of gas		-				D	arreis						
Rock pressure, lbs. per sq. in. 1113								• ,					
Driller	If ga	as well,	cu. ft. per 2	24 hours	3 , 758 ,00 0	Gall	ons ga	soline per 1,0	00 cu.	ft. of gas			
Driller Dril	\mathbf{Rock}	k presst	ire, lbs. per	sq. in									
FROM- TO- TOTAL FEET FORMATION 1175						MPLOYE					Deill		
FROM— TO— TOTAL FEET FORMATION C 1175 11000 625 Variegated sh w/thin sh breaks. 1175 1200 625 Variegated sh w/thin ss breaks. 11800 2195 355 Tan to gry cr-grn ss interbedded w/gry sh. 2195 2205 50 Ojo Alamo ss. White cr-grn s. 2205 2625 420 Kirtland form. Gry sh interbedded w/tight gry fine-grn ss. 2625 2620 195 Fruitland form. Gry carb sh, scattered coals and gry, tight, fine-grn ss. 2626 2699 75 Pictured Cliffs form. Gry, fine-grn, tight varicolored soft ss. 2627 4465 1570 Lewis formation. Gry to white dense sh w/silty to shaly ss breaks. 2628 4610 4999 385 Menefee form. Gry, fine-grn, dense sil s w/frequent sh breaks.													
TOTAL SEET TOTAL SEET Tan cr-grn ss w/thin sh breaks. 1175 1600 625 Variegated sh w/thin ss breaks. 1200 2195 395 Tan to gry cr-grn ss interbedded w/gry sh. 2195 2209 50 Ojo Alamo ss. White cr-grn s. 2205 2629 420 Kirtland form. Gry sh interbedded w/tight gry fine-grn ss. 2625 2820 195 Fruitland form. Gry carb sh, scattered cost coals and gry, tight, fine-grn ss. 2626 2699 75 Fictured Cliffs form. Gry, fine-grn, tight varicolored soft ss. 2627 4469 1570 Lewis formation. Gry to white dense sh w/silty to shaly ss breaks. 4469 4610 149 Cliff House ss. Gry, fine-grn, dense sil st with the shalp shal											, Driner		
Tan cr-grn ss w/thin sh breaks. 1175 1600 625 Variegated sh w/thin ss breaks. 1800 2155 355 Tan to gry cr-grn ss interbedded w/gry sh. 2155 2205 50 Ojo Alamo ss. White cr-grn s. 2625 2625 420 Kirtland form. Gry sh interbedded w/tight gry fine-grn ss. 2625 2620 195 Fruitland form. Gry carb sh, scattered coa coals and gry, tight, fine-grn ss. 2620 2695 75 Pictured Cliffs form. Gry, fine-grn, tight varicolored soft ss. 2620 4465 1570 Lewis formation. Gry to white dense sh w/silty to shally ss breaks. 2620 4610 145 Cliff House ss. Gry, fine-grn, dense sil st white dense sh w/silty to shally ss breaks. 2620 5155 160 Point Lockout form. Gry, very fine sil ss w/frequent sh breaks.						TION R	ECOF						
1175 1600 1625 1600 1626 1600 1627 1600 1628 1600 1629 1600 1629 1600 1629 1600 1600 1600 1600 1600 1600 1600 160	FROM	[-	то-	Т	OTAL FEET			FOI	RMATIO)N			
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	5155	5	5180	T	25	, •	-			arb sh.			

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HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

7-21-55 Total Depth 4620'. Sandoil fractured Cliff House from \$420' to 4620' with 14,200 gallons oil and 11,000 sand. Breakdown pressure 1500#, maximum pressure 1850#, average treating pressure 1800#, Injection rate 6.75 bbls./min. gallons. Natural gage 761 MCF/D

7-23-55 Sandoil Point Lookout Fotal Depuh 5180'. Retainer set at 480', interval treated 4890' - 5100' with 13,650 mallons oil and 12,500% sand. Flush 2000 gallons. Injection rate 8.1 bbls./min. Maximum pressure 2100#, Breakdown pressure 1500; treating pressure 1500-2100#, Matural gauge Point Lookeut 220 MCT/D, Cliff House

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