NEW MEXIC	O OIL CONS	ERVA'	TION C	OMI WE	MISSION	S OFF	Form (Revis) ^{ICE} 0. C	ed 3-	
MISCE (Submit to appropriate COMPANY The Pure 011 Co	District Offi	ce as/	per Con	nm	ission 4	u1 2 1į	9 ⁶)ру,	63	
	(Ad	dress)					,	
LEASE Red Hills Unit	WELL NO.	1	UNIT	0	s 32	T	25-S	R	3 3- E
DATE WORK PERFORMED	7-16-63		POQL	Ţ	Indesigna	nted			
	11-21-63								
This is a Report of: (Check	appropriate	block		R	esults of	Test	of Ca	sing	Shut-off
Beginning Drilling	Operations]r.	emedial	Work			
Plugging					her				

Detailed account of work done, nature and quantity of materials used and results obtained.

* See Attachment

FILL IN BELC	OW FOR RE	MEDIAL WO	RK REPORTS ON	LY					
Original Well	Data:								
DF Elev.	TD	PBD	Prod. Int.	Comp	Compl Date				
Tbng. Dia	Tbng De	pth	Oil String Dia	Oil Stri	Oil String Depth				
Perf Interval	(s)			· · · · · · · · · · · · · · · · · · ·					
Open Hole Inte	erval	Pro	ducing Formation	(s)					
RESULTS OF	WORKOVE	<u>۲</u> :	<u></u>	BEFORE	AFTER				
Date of Test									
Oil Production	n, bbls. per	day							
Gas Productio	on, Mcf per	day							
Water Produc	tion, bbls.	per day							
Gas~Oil Ratio	, cu. ft. pe	r bbl.							
Gas Well Pote	ential, Mcf j	per day		•					
Witnessed by									
			•	(Com					
OIL CONSERVATION COMMISSION			above is true my knowledg	I hereby certify that the information given above is true and complete to the best of my knowledge. Name					
Name	T								
Title				DISUICE OTTIGE FRINKER					
Date Company The Pure Oil Company									

Attachment for Form C-103 Red Hills Unit #1 7-15-63 through 11-21-63

Drilled cement inside 4-1/2" DP 6700'-8397'. Attempted to pull 1-5/8" DP out of 4-1/2" DP, 1-5/8" DP parted. Fished 1-5/8" DP out of hole. Ran 9-1/2" bit on 4-1/2" DP to 12,500', drilled cement 12,500'-12,717', lowered bit to 12,860', top of float coller. well gassing. Conditioned and cleaned hole. Ran retainer and set at 12,517', attempted to squeeze with 50 sacks cement, no pressure increase. Squeezed with 100 sacks cement, pressure decreased when cement on formation. Third stage, 200 sacks cement, maximum pressure 6000#, minimum 5400#, 125 sacks in formation. Could not pull DP out of retainer. Washed over fish, recovered same, pulled out of hole. Washed and drilled cement to 13,475'. Ran DST tool to test squeeze at 12,717', recovered part of load water, pressure increased to 2000#, shut in at surface, pressure increased to 2600#. IFP 7375#, FFP 8225#, IHP 10,205#, FHP 10,200#. Pulled test tool. Installed 10,000# WP BOP, 12 hours tested BOP. Squeezed perforations at 12,717' with 500 sacks cement. drilled, washed, and reamed cement stingers 12,9381-13,4531, well started blowing, put well on chokes, conditioned mud. Cut core #1 13,475'-13,499', recovered 24' black shale with lime stringers, no porosity, no show. Ran DST tool, set at 12,650', tail pipe at 13,475', 1/2" bottom choke, full water cushion. Tool open 6 hours 24 minutes. attempted to flow through separator, would not work. Flowed to pit, stabilized pressure 1700# at 12 MMCF/D. Opened by-pass on test tool, circulated, lost 650 barrels mud, pulled tool. ISIP 11,400#, IFP 9205#, FFP 4215#, IHP 11,400#, 2 hour FSIP 10,400#, BH temperature 190 deg. Reamed core hole 13,475'-13,499'. Drilled 13,499'-13,612', started losing mud, lost complete returns. Ran RTTS tool, set at 12,650', cemented with 750 sacks cement. Started drilling, well gassing, drilled 13,612'-14,422'. Ran 45 joints, 1878', 8-5/8" OD 49# Liner, top of liner at 12,421', bottom at 14,299'. Cemented with 600 sacks cement with 11% salt added. Set cement retainer at 12,282', cemented with 400 sacks. Squeezed cement and cemented 2nd stage on top of 8-5/8" OD liner with 400 sacks. Third stage. squeezed 200 sacks Pozmix and 200 sacks cement around top of liner. Drilled out retainer, ran DST tool to check squeeze, tool plugged. Drilled cement to 14,228', ran DST tool to check squeeze, indicated flow around top of liner or from inside liner. Ran DST tool to test inside of liner, set packer at 12,400', filled DP with water pressured to 4400#, opened tool for 1 hour. Pulled test tool. Ran RTTS tool, set packer at 12,267', pressured to 7500# for 30 minutes, formation would not take fluid. Pulled RTTS tool, conditioned hole. Ran Gamma Neutron log. Drilled 14,422'-14,473', knocked cone off bit, well started flowing while waiting on fishing tools, recovered fish. Ran temperature survey to locate gas leak, indicated leak around top and bottom of 8-5/8" OD liner. Set 70-sack cement plug 14,360' to 14,200', attempted DST of liner, unable to get below 13,632'. Ran bit to 14,360'. found no solid cement. Spotted 115-sack cement plug 14,345'-14,000'. Drilled and washed to 14,265'. Set Baker Model "D" Packer at 12,450'. Ban injectivity test, 60 barrels mud, 6 BPM, 1800#. Followed with 650 sacks cement, tailed in with 100 sacks cement. Staged cement 1/2 BPM at 10 minute stages. Pressure tested. Injectivity test, 20 barrels mud, 1 BPM, maximum 2600#, minimum 2200#. Staged in 750 sacks cement, 17# per gallon slurry, pumped in total of 227 barrels mud between stages. Staged in 500 sacks regular and 300 inferno cement, maximum squeeze pressure 5000#. Drilled cement inside liner 12,419'-12,450', top of packer. Milled over and fished packer out of hole. Drilled cement 12,450'-13,929'. Tested liner at 13,401' and 13,712' with 3000#, held OK. Drilled cement to 14,268', tested with 3000#, broke to 1400#. DST open hole 14,260'-14,268', set packers at 14,178' and 14,183'. Pressured to 5200#, bled pressure at 5 minute intervals, no buildup. Drilled cement 14,266'-14,473', drilled new hole 14,473'-14,732'.

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gradies and is and gradied as de because (174, 1-40, 20 such billions, 197), add a significant de des frantster car issis folosis and bound the distribution of the e cologisest 18 % sade coment, ne revesue funnesse, l'greased with 19 review conserved a ressource second of a convert up to restor up third and more the second converts and the converts a under an einer Anter einer -1997 - a contrar , calor de des balles jours de avense jour de ressi , calesta , calesta , calesta , c n'a fin estre de 1991 - 1991 - 1996 de test estre entre de 1997 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 a second de second de seconde de la constance de la seconda de la constance de la constance de la constance de Se presente de seconde de seconde de la constance de la constance de la constance de la constance de la constanc . 17 Fr. re tested 309, Squaesod in forstaris st 12,7171 sttr 552 soors owere. 37.5 and the second and reamed demends stimmers 11,5 (-13, 163), well subred blockly, and auth our shekey, conditioned wath 10 d core at 13,170-13,1891, recovered 21 - 1265 che es mitte è né merito e**rra,** se p**or**estes **, no shek è fan 301 t**erú, sas en 31, j'et, e se no e mitte, il/21 neetre c**heke,** juli water orshiten, ioni tran à bes a fit et se c (a) a conjunction with the second care accordance, the conduct of a structure of a structure of a structure of the conduction of the co intervel intilling, nell complet, dmilled 13,612+11,0221. Rep b5 (control, 1.244, 1-4/64); https://www.intilling.control.light.content.at 31,0591. Hence b5 (control, 1.244, 1-4/64); https://www.intilling.control.light.content.at 32,601, cemented with 100 reaks of the https://www.set.evenat.meted.org.control.light.comenter with 100 under the convet.set.content.cont.cont.cont.cont.28,601, cementer with 100 under streak convet.set.content.cont.cont.cont.cont.28,601, cementer with 100 under streak convet.set.content.cont.cont.cont.cont.28,601, cementer with 100 under streaks. consiste fue effort constilla get la pra desnee ries dis bie stavo plase til essence is anony enverse; inclueted fing eround top as liker or from theild liker. The sail theil , budd of concern and the belief , filled of whether presence for a light with water presence for a light, N 9-895799 Star To whethes, formation could not have fluid. Shiled RTT bool, conductored is a long to whether could not have fluid. Shooker come off bit, well thereed ters - estremation or fishing backs, recovers (Mah, Par tequisture curves to least interview of the fighting occurs room at the second of the second of the second the second to the second to the second of t te 1), 3451. Det feker Kodel 197 Gecker at 32,1401. en lajecsivity lett, i terrelt mur. • Tr, 1996. Toliosed with 650 sechs cerent, is led in with 1.0 secks counce. Some revers 1/2. An at 20 threas stages. Pressure tested. Injectivity lost, 16 carrels: ''''' restries 200%, whithe 200%. Is red to 750 sucks coment, 17% ner allos planny munical planny munical planny and in 500 and 20 berease and see. Staged in 500 and a resultar pla 500 1, 601, the of rester. Milled over new fished oreken out of role. Trilled races 15,1,04-35, 201, "Tested liner at 13,501 and 35,712; with 3000%, Seld (K. 1941) of seven .