## NEW MEXICO OIL CONSERVATION COMMISSION MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

LEASE					*		
LEASE		· (A	ddress)				
	Chaco Unit	WELL NO.	. 2	UNIT 0	s 16	T 23N	<sub>R</sub> 8W
DATE WOR	K PERFORMEI	5-24-56 - 6-	-6-56	POOL W	ildeat		
This is a Re	eport of: (Chec	k appropriate	e block)	F	Results of	Test of	Casing Shut-of
Ве	ginning Drilling	g Operations		X F	Remedial V	Work	
D1:	ugging				ther		
· · · · · · · · · · · · · · · · · · ·							
Detailed acc	count of work do	one, nature a	nd quant	ity of m	aterials us	sed and	results obtaine
The Chaco Un	nit No. 2 was wor	rked over as f	follows f	rom May	24 to June	6, 1956	t
the rods and	i tubing were pul	lled and sand	was circ	ulated o	ut from 50	49° to 5	0901.
retainer was No pressure another 300 retainer and	and the squeeze set @ 4890' and was encountered sacks of neat or i cement were dri	d the same int so the tool wasment. 2000r	terval sq was clear psi press . The s	neezed w red and th sure was equeezed:	ith 300 sache interval obtained or interval he	cks of n l was sq n this j eld 1100	eat cement. necsed with ob so the psi for
	so the bridging possesser was run in						follows:
FILL IN BE	CLOW FOR REM	AEDIAI WOD	K D EDO	DTS ON	T V		(over)
Original We		ILDIAL WOR	K KEF C	ICIA OI			
							*
OF Elev.	6865 TD 6091	PBD <b>5100</b>	) Pro	d. Int.	95	Compl I	Date June 2, 19
	6865 TD 6091						Date June 2, 199 Depth 5100
Γbng. Dia_	2ª EUETbng Dep	oth <b>5011</b>	Oil Stri				
Tbng. Dia Perf Interva	2 EUET bng Dep al (s) 1975-500	oth 5011 07 5019-50	Oil Stri	ng Dia	<b>7"</b> Oi	l String	
Tbng. Dia Perf Interva	2 EUET bng Dep al (s) 1975-500	oth <b>5011</b> 07 5019-50 Produ	Oil Stri	ng Dia	<b>7"</b> Oi	l String	
Perf Interva	2 EUE Thing Department of WORKOVER:	oth <b>5011</b> 07 5019-50 Produ	Oil Stri	ng Dia	Oi (s) Gallu	1 String	Depth 5100  AFTER
Perf Interval Open Hole I RESULTS Contacts of Tes	2 EUE Thing Department of WORKOVER:	oth 5011 07 5019-50 Produ	Oil Stri	ng Dia	7" Oi (s) Gellu BEFOR	1 String	Depth <b>5100</b> AFTER  June 27, 1956
Perf Interval Open Hole I RESULTS Contact of Tes Oil Product	2 EUE Thing Department of WORKOVER:	oth 5011 07 5019-50 Produ	Oil Stri	ng Dia	7" Oi (s) Gellu BEFOR April, 1	1 String  P  E  956	Depth 5100  AFTER  June 27, 1956  23 BOPD
Thing. Dia Perf Interva Open Hole I RESULTS Control Date of Tes Oil Product Gas Product	2 EUETbng Depart (s) 1875-500 interval 2 EUETbng Depart (	oth 5011 07 5019-50 - Produ	Oil Stri	ng Dia	7" Oi (s) Gellu BEFOR	1 String  P  E  256	Depth 5100  AFTER  June 27, 1956  23 BOPD  8 MCF
Thing. Dia Perf Interva Open Hole I RESULTS Conte of Tes Oil Product Gas Product Water Prod	2 EUETbng Depart (s) 1875-500 interval 2 EUETbng Depart (	oth 5011 07 5019-50 Produ : day ay er day	Oil Stri	ng Dia	7" Oi (s) Gallu BEFOR April, 1 6 BOPD 160 MCF	1 String  P  E  256	Depth 5100  AFTER  June 27, 1956  23 BOPD
Thng. Dia Perf Interva Open Hole I RESULTS C Date of Tes Oil Product Gas Produc Water Prod Gas Oil Rat	2 EUE Thing Department of WORKOVER:  tion, bbls. per discussion, b	oth 5011  07 5019-50  Production  day  ay  er day  bbl.	Oil Stri	ng Dia	7" Oi (s) Gallu BEFOR April, 1 6 BOPD 160 MCF	1 String  P  E  256	Depth 5100  AFTER  June 27, 1956  23 BOPD  8 MCF
Thing. Dia Perf Interva Open Hole I  RESULTS C  Date of Tes Oil Product Gas Produc  Water Prod  Gas Oil Raf  Gas Well Po	2 EUETbng Departure (a) 1875-500 (a) 1875-500 (a) (b) 1875-500 (a) (c) 1875-500 (c) 1875-500 (a) (c) 1875-50	oth 5011  07 5019-50  Production  day  ay  er day  bbl.	Oil Stri	ng Dia	(s) Gallum BEFOR April, 1 6 BOPD 160 MCF 0.6 BOPD	P E S S S S S S S S S S S S S S S S S S	Depth 5100  AFTER  June 27, 1956  23 BOPD  8 MCF  2.0 BOPD
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Thing. Dia Perf Interval Open Hole I RESULTS Control Date of Tes Oil Product Gas Product Water Product Gas Well Pol Witnessed b	2 EUETbng Depal (s) 1675-500 interval 2 EUETbng Department of WORKOVER:  t tion, bbls. per of tion, Mcf per duction, bbls. per of tion, cu. ft. per otential, Mcf per otential	oth 5011  7 5019-50 Production day ay er day bbl. er day	Oil Strip Oil St	rmation  eat West  eby cert e is true nowledge	(s) Gallum BEFOR  April, 19 6 BOPD 160 MCF 0.6 BOPD  ify that the and comp	E 256 Compare information to the contract of t	AFTER  June 27, 1956  23 BOPD  8 MCF  2.0 BOPD

1911-11 Tested with 1800 psi for 15 minutes. No pressure drop. 1976-87 Tested with 1800 psi for 15 minutes. No pressure drop. 5019-29 Took fluid above 1800 psi.
5052-59 Tested with 1500 psi for 15 minutes. No pressure drop.

Germa Ray and Neutron logs were run and the well was perforated from 5058:-5068! with four jets per foot. A packer was set @ 5040! and the perforated some was treated through 2½ tubing with 2000 gallons 9% mid. The formation took acid @ 850 psi and before the treatment was complete we had communication between the somes above and below the packer. After swabbing 19 barrels the well did not make any fluid on a three hour test.

A retainer was set @ 1640 while running in the hole and the perforations were squeezed with 300 sacks of cement. The pressure was 2000 psi at the end of the squeeze job.

The retainer and cement were drilled, a hookwall packer was set 3 50 ll and the perforations below were acidised with 250 gallons of mud acid and 2000 gallons of 9% acid. The formation broke down 3 3100 psi with an average treating pressure of 1200 psi 6 two barrels per minute. The well was shut in for 12 hours and 30 barrels of flush oil and eight barrels of acid water were swabbed back. A two hour test recovered three barrels of 15% acid water.

The some was then treated with 10,000 gallons of acid frac and 15,000 pounds of sand. The injection rate was nine barrels per minute @ 4200 psi. The well was shut in for 18 hours. Swabbed 81 barrels 15-20% acid water in 17 hours.

Treated same interval with 10,000 gallons lease crude and 10,000 pounds of sand @ 3300 psi and 10 barrels per minute. Shut in for 14 hours and when opened it flowed five barrels and swabbed 96 barrels in 10 hours. Swabbing 2-3/4 barrels per hour after 10 hours.

The packer was sanded up so we backed off the tubing, washed over, set a bridging plug @ 5000; and perforated from 5019:-5037; with four jets per foot. This interval was treated down the 7" casing with 20,000 gallons lease erude and 30,000 pounds of sand. The breakdown pressure was 2000 psi, average treating pressure 1800 psi @ 18.5 barrels per minute. The well was shut in for 12 hours and when opened flowed 110 barrels in two hours and died.

A bridging plug was set @ 5013' and the interval from 4975-5007' was treated with 20,000 gallons of lease crude and 30,000 pounds of sand. This some broke at 1850 psi. Treated @ 1650 psi @ 47 barrels per minute. The well was shut in with 900 psi. The well was opened after 12 hours with 700 psi and flowed 135 barrels in 22 hours and died.

The well was cleaned out to 5072° and swabbed 290 barrels in 11 hours. The 2" tubing and rods and pump were run June 6, 1956 and the well started pumping 95 barrels (pump capacity) of load oil per day. The production at present is down to 23 barrels per day with approximately 1000 barrels of load oil still in the well.

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