TENNECO OIL COMPANY A Major Component of Tenneco Inc.

SUITE 1200 • LINCOLN TOWER BUILDING • DENVER, COLORADO 80203



DEC 1 5 1969

OIL CON. COM

DIST. 3

December 11, 1969

Hada 1 4 70 - 30 N - 8W

New Mexico Oil Conservation Commission 1000 Rio Brazos Road Aztec, New Mexico 87410

Attention: Mr. Emory Arnold

Dear Mr. Arnold:

I am enclosing a schematic diagram and also a cronological history of the Howell No. 1 located in Unit K, Section 20 T-30-N R-8-W. I thought these items may be helpful in combating the problem of braden head flows and gas seepage in the San Juan River area. The cronological history as you will notice includes details of the cementing job performed on the 4-1/2" casing that was run in 1967.

I will also attach a cronological history and a schematic diagram on the work performed on the Linda Nye No. 1 in November of 1969.

I believe both of these wells have been repaired in a conscientious manner and will not contribute to the before mentioned problems of the area.

Yours very truly,

TENNECO OIL COMPANY

J. C. Simmons

Production Engineer

JCS:1jg

Enclosures

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HOWELL NO. 1
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LOCATION: UNIT K SECTION 20 T-30-N R-8-W BLANCO MESA VERDE ELEVATION - 5757

► 179! 5 jts. 10-3/4" 32.75# H-40 R-2 csg. cmted w/175 sx 4% gel cmt. Circ. cmt. 125 joints, 4-1/2" 10.5# J-55 8-RD ST&C csg. w/pkr. shoe cmted w/470 sx 50/50 pozmix circulated cmt and squeezed with 1500-2000 psi. 40631 Top of Liner 4175' 131 joints 7" 20# J-55 R-2 csg cmted w/200 sx, 3% gel, 1/2#/sk flocele. 4194' Perf w/160 bullets. Frac w/96,900 gal wtr, 55,000# sand, 68.8 BPM 42741 4628' - 4628'-4745' Perf w/188 bullets, Fraced w/61,150 gal. wtr, 40,000# sand - Rate of 68 BPM. -4726' - 151 joints - 2" 4.7# J-55 EUE 8-RD - 4745' 4774 PBTD

T.D. 4800' - 5" 18# Hydril Liner 37 jts. 730' long

P & A

DBII	T	INC	RECORD

Λr	E	NO.	

WC DRLG. C	DRILLING RECORD AFE NO	
ELD	Blanco Mesa VerdeLEASE HowellWELL NO	<u> </u>
DATE DEPTH	CHRONOLOGICAL HISTORY DETAIL OF OPERATION	
7-19-55	Potential tested 168 hours. CP = 1000 psi. TP = 1000 psi. Flow te	s
	4587 MCF/D.	
5-18-57	Cleaned out to T.D 4800'	
5-19-57	Ran 5" 18# hydril liner 4063-4800'. Circulated cmt around liner.	
5-23-57	Perforated 4745 - 4628' with 188 bullets. Fraced with 61,150 gallon	ıs
	wtr and 40,000# sand. Pressures 1250-850 psi. Initial rate 68 BPM	1
	Set bridge plug 4300'. Perforated 4274' - 4194' with 160 bullets.	_
	Fraced with 96,900 gallons wtr and 55,000# sand. Pressures 862-775	<u>;</u>
	psi. Initial rate 68.8 BPM.	
5-24-57	Mesa Verde potential test 6540 MCF/D.	
5-25-69	Landed 2" tubing at 4730'.	
4-10-61	Pumped 75 bbls 9.5#/gal. 36 vis mud into braden head. Shut in press	su
	on braden head. Decreased from 176 psi to 121 psi. Two day shut i	in
	pressure 151 psi. Job unseccessful in killing braden head flow.	
2-27-67	N.M.O.C.C. directed repair of braden head flow.	_
3-21-67	Ran temperature survey which indicated wtr flow at 750'. Casing	
	inspection log indicated severe corrosion from 425' to 1890' with	_
	holes indicated at: 549', 553', 576', 591', 712', 743, 777, 781, 83	<u>33</u>
	851, 893, 904, 935, 943, 985, 1134, 1143, 1322, 1455, 1851, 2741,	
	3211'.	
3-22-67	Ran 125 joints of 4-1/2" 10.5# J-55 ST&C R-2 to 4063 with Burns	_
	bottom hole pkr with lead seal. Cmted 4-1/2" csg with 470 sx 50/5	0
	pozmix with 2% CaCl2, 6% gel. Circulated cmt at annulus, closed	
,	annulus, squeezed into 10-3/4" x 7" annulus with 1500-2000 psi	
1.	& small Amount cas. Cleaned out	٥

TENNECO OIL COMPANY

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DEV. DRLG. [P&A CONST. DRILLING RECORD AFE NO
RECOMPLETION [
DATE DEPTH	LUND .
2 22 67	
3-23-67	Ran 151 joints 2-3/8" 4.7# J-55 EUE 8-RD tubing to 4726.51'. Total
	Cost \$13,792
-23-69	
	Braden head test shows 105 psi on braden head and a 15 minute flow
	of gas and black wtr.
0-16-69	N.M.O.C.C. directs repair of braden head flow by perforating at base
	of Ojo Alamo and circulating cmt to surface.
11-11/21-69	Flowed Braden head - flow was black water going to clear water. Sulphur
·	gas decr. from strong to slight at end of flow period.
11-21-69	Mr. Arnold w/N.M.O.C.C. verbally rescinded order to repair braden head in
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