

Mansfield #15 30-045-1311

Mansfield #260 30-045-27105

4658

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NW Sec. 28 Twp 30 Rng 9

Name of Well/Wells or Pipeline Serviced MANSFIELD #5,

MANSFIELD COM #260 cps 64w

Elevation 5910 Completion Date 12/8/71 Total Depth 340' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used

N/A

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 140'

RECEIVED

MAY 31 1991

Depths gas encountered: N/A OIL CON. DIV. 1

Type & amount of coke breeze used: 7100 lbs. DIST. 3

Depths anodes placed: 310', 300', 290', 280', 270', 260', 250', 240', 230', 220'

Depths vent pipes placed: N/A

Vent pipe perforations: 225'

Remarks: gh #2

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Leased

Drilling Log (Attach Hereto). ☐

Completion Date 12-8-71

Well Name <u>Mansfield #5</u>		Location <u>NW 28-30-9</u>		CPS No. <u>64W</u>	
Type & Size Bit Used <u>6 3/4</u>		Work Order No. <u>184-54218-50-20</u>			
Anode Hole Depth <u>340</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>7100</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>310</u>	# 2 <u>300</u>	# 3 <u>290</u>	# 4 <u>280</u>	# 5 <u>270</u>	# 6 <u>260</u>
# 7 <u>250</u>	# 8 <u>240</u>	# 9 <u>230</u>	# 10 <u>220</u>		
Anode Output (Amps)					
# 1 <u>4.2</u>	# 2 <u>3.7</u>	# 3 <u>3.1</u>	# 4 <u>3.2</u>	# 5 <u>2.9</u>	# 6 <u>3.5</u>
# 7 <u>3.8</u>	# 8 <u>3.7</u>	# 9 <u>4.0</u>	# 10 <u>4.0</u>		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Total Circuit Resistance			No. 8 C.P. Cable Used		
Volts <u>12.8</u>	Amps <u>15.5</u>	Ohms <u>0.62</u>	No. 2 C.P. Cable Used		

Remarks: Driller said water at 140' -

Vent Perforated 225'

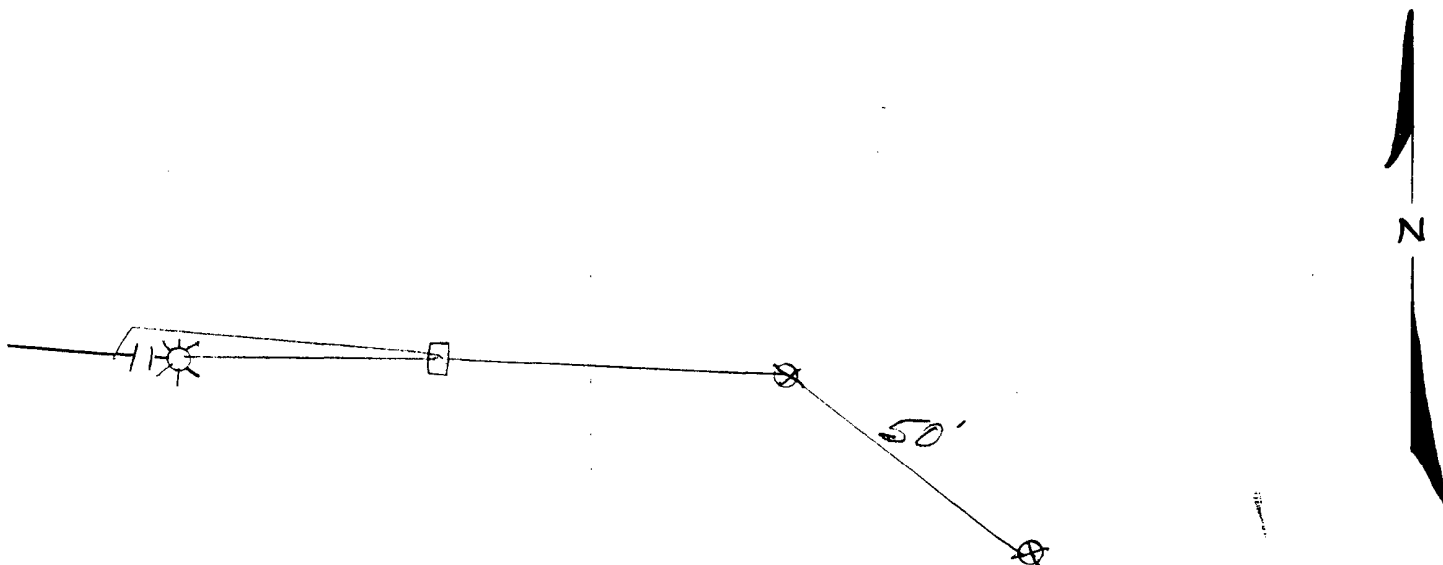
Pump 350 shovels Coke - Est. 50 bags

Slurry 150 shovels = " 21 bags

All Construction Completed

Arrels
(Signature)

GROUND BED LAYOUT SKETCH



DAILY DRILLING REPORT

C.P.S. # 642

LEASE Mansfield WELL NO. #5 CONTRACTOR Morison RIG NO. REPORT NO. DATE 12-8 1971
MORNING DAYLIGHT EVENING

Driller				Total Men In Crew				Driller				Total Men In Crew				Driller				Total Men In Crew																			
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.																				
0	70	sand			140	190	shale																																
70	110	shale			190	205	shale																																
110	130	dry sand			205	340	shale																																
130	140	water sand																																					
BIT NO.				NO. DC				SIZE				LENG.				BIT NO.				NO. DC				SIZE				LENG.											
SERIAL NO.				STANDS				SINGLES				DOWN ON KELLY				SERIAL NO.				STANDS				SINGLES				DOWN ON KELLY											
SIZE				TOTAL DEPTH				MAKE				MUD RECORD				MUD, ADDITIVES USED AND RECEIVED				SIZE				TOTAL DEPTH				MAKE				MUD RECORD				MUD, ADDITIVES USED AND RECEIVED			
TIME				WT.				VIS.				TIME				WT.				VIS.				TIME				WT.				VIS.							
FROM				TO				TIME BREAKDOWN				FROM				TO				TIME BREAKDOWN				FROM				TO				TIME BREAKDOWN							

REMARKS - my from 140 to 340

REMARKS -

SIGNED: Toolpusher Joe Morison

Company Supervisor

wtr at 130 - starting at 140

MW	gas/mol
15	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.42
58	IC ₄ 12.38
72	NC ₄ 14.33
86	IC ₅ 16.28
100	NC ₅ 18.21
114	IC ₆ 20.16
128	NC ₆ 22.11
142	IC ₇ 24.06

MW	MISC.	gas/mol
44	CO ₂	6.38
58	H ₂ S	5.17
72	N ₂	4.16
86	H ₂	3.15

130		10	3.0	Vent Perf. 225			
			2.5				
40	190 - start	20	3.0				
	1.88		2.5				
50	196	30					
	1.97	34	Bottom				
60	2.2	40		Divide	hcg	wtr.	cake
	2.2			1	310	3.0	3.5
70	2.5			2	300	2.6	2.8
	2.8			3	290	2.2	2.2
80	2.6			4	280	2.2	2.5
	1.88			5	270	2.1	2.2
90	1.35			6	260	2.1	2.4
	.70			7	250	2.6	2.8
200	.55			8	240	2.3	2.6
	.87			9	230	2.7	3.0
10	1.48			10	220	3.0	3.4
	2.8						
20	3.0						
	3.0						
30	2.7						
	2.5						
40	2.3						
	2.2						
50	2.6						
	2.2						
60	2.1						
	1.90						
70	2.1						
	2.4						
80	2.2						
	2.1						
90	2.2						
	2.3						
300	2.6						
	3.0						

$$12.8 \times 15.5 = 0.82$$

.82

$$15.5 / 12.8$$

12.8

Pump 50 Bags -
Slurry

50'