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439

#1-A 30-045-22489

#15 30-045-22137

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. 16 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced BROOKHAVEN COM #1A, #15
cps 1212w,

Elevation 6110' Completion Date 6/28/78 Total Depth 400' 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. 120' - 140' & 355' - 360'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 355', 340', 330', 320', 310', 300', 290', 280', 270', 260'

Depths vent pipes placed: 400'

Vent pipe perforations: 300'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV
DIST. 3

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

Drilling Log (Attach Hereto). ☐ *comm #15*

Completion Date *6-28-78*

Well Name <i>BROOKHAVEN Com #1A</i>		Location <i>NW 16-31-10</i>		CPS No. <i>1212 W</i>	
Type & Size Bit Used <i>6 3/4"</i>				Work Order No. <i>57225-21</i>	
Anode Hole Depth <i>400-395TD</i>	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
<i>1 355</i>	<i>2 340</i>	<i>3 330</i>	<i>4 320</i>	<i>5 310</i>	<i>6 300</i>
<i>7 290</i>	<i>8 280</i>	<i>9 270</i>	<i>10 260</i>		
Anode Output (Amps)					
<i>1 3.4</i>	<i>2 3.6</i>	<i>3 3.9</i>	<i>4 4.3</i>	<i>5 3.9</i>	<i>6 3.6</i>
<i>7 3.6</i>	<i>8 3.8</i>	<i>9 4.1</i>	<i>10 4.4</i>		
Anode Depth					
<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>
<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>		
Anode Output (Amps)					
<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>
<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>		
Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts <i>9.0</i>	Amps <i>10.8</i>	Ohms <i>.83</i>			

Remarks: *STATIC = .88 CABLE TOOLS DRILLED 50' 44' P.P.*
SET 4' GRAVEL & 10' BOULDERS 26 1/2 HRS. DRILLED TO 400'
LOGGED TO 395' DAMP AT 80 GOOD WATER AT 120-160'
DRILL TO 260' WATER AT 30' NEXT AM. WATER AT
350-360' 300' 1" PERF. VENT 100'-1" PLAIN VENT

DITCH & 1 WIRE = 282'

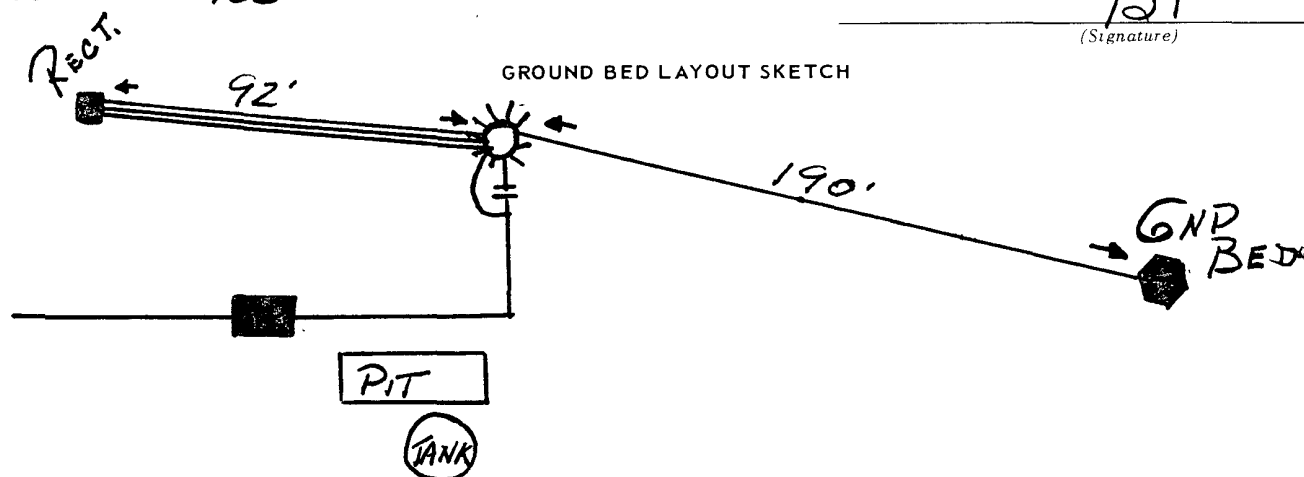
EXTRA WIRE = 184'

40/16T STUB POLE

HOLE = -105'

All Construction Completed

BT
(Signature)



DISTRIBUTION:

WHITE — Division Corrosion Office

YELLOW — Area Corrosion Office

PINK — Originator File

6110

6-28-7

BT

1212 W

STATIC = .83

BROOK HAVEN Com #1A

NW 16-31-10

DRILLED TO 400' LOGGED TO 395' HOLE = 1.5 gal/min
 DUMPED 80' GOOD WATER SAND 120' TO 160' DRILLED TO
 260' WATER STANDING AT 38' NEXT AM. WATER SAND
 AT 350' TO 360' MAKING 20-30 GAL MIN. FILLED W/ WATER
 TO 150' TO LOG. 300' 1" PERFORATED VENT 100' 1" PLAIN VENT

MW		gals/mol
16.04	C ₁	6.4
30.07	C ₂	10.12
44.10	C ₃	10.42
58.12	iC ₄	12.38
58.12	nC ₄	11.93
72.15	iC ₅	13.85
72.15	nC ₅	13.71
86.18	iC ₆	15.50
86.18	C ₆	15.57
100.21	iC ₇	17.2
100.21	C ₇	17.46
114.23	C ₈	19.39
28.05	C ₂	9.64
42.08	C ₃	9.67

MW	MISC	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

100	60	3.2	- ⑩
	-	3.0	
10	70	2.8	
		2.8	- ⑨
20	80	2.8	
		2.6	- ⑧
30	90	2.8	
		2.8	- ⑦
40	300	2.6	
		2.5	- ⑥
50	10	2.7	
		2.8	- ⑤
60	20	3.0	
		3.0	- ④
70	30	2.8	
		2.8	- ③
80	40	2.6	
		2.4	- ②
90	50	2.6	
		2.6	- ①
200	60	2.6	
		2.2	
10	70	2.0	
		2.0	
20	80	2.1	
		2.8	
30	90	2.6	
		2.6	
40	400		
		1.4	
50		1.5	
		2.0	

$$9.0V \quad 10.8A = .83 \sim$$

$$1 = 355 - 2.6 - 3.4$$

$$2 = 340 - 2.8 - 3.6$$

$$3 = 330 - 3.2 - 3.9$$

$$4 = 320 - 3.3 - 4.3$$

$$5 = 310 - 2.8 - 3.9$$

$$6 = 300 - 2.8 - 3.6$$

$$7 = 290 - 3.0 - 3.6$$

$$8 = 280 - 3.0 - 3.8$$

$$9 = 270 - 3.0 - 4.1$$

$$10 = 260 - 3.5 - 4.4$$

#1212-W

LEASE		WELL NO.		CONTRACTOR		RIG NO.		REPORT NO.		DATE		19					
				Posey						6-28		78					
MORNING						DAYLIGHT						EVENING					
Driller						Driller						Driller					
Total Men In Crew						Total Men In Crew						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.	
NO. DC		SIZE		LENG.		NO. DC		SIZE		LENG.		NO. DC		SIZE		LENG.	
NO. DC		SIZE		LENG.		NO. DC		SIZE		LENG.		NO. DC		SIZE		LENG.	
SERIAL NO.		STANDS		SINGLES		SERIAL NO.		STANDS		SINGLES		SERIAL NO.		STANDS		SINGLES	
SIZE		DOWN ON KELLY		TOTAL DEPTH		SIZE		DOWN ON KELLY		TOTAL DEPTH		SIZE		DOWN ON KELLY		TOTAL DEPTH	
MAKE		TOTAL DEPTH		TOTAL DEPTH		MAKE		TOTAL DEPTH		TOTAL DEPTH		MAKE		TOTAL DEPTH		TOTAL DEPTH	
MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			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 - 0-45 Cabel Tool						REMARKS -						REMARKS -					
45-60 shale						280-355- sandy shale						making water 120-140					
60-110 sand stone						355-360 sand making water						2-3 gal min					
110-120 shale						360-400 sandy shale						making water 355-360					
120-140 sand wet												20-30 gal min					
140-200 shale																	
200-240 sandy shale																	
240-280 shale																	

SIGNED: Toolpusher

Company Supervisor

SAN JUAN DIVISION LABORATORY

ANALYSIS NO. 1-9230

DATE COMPLETED 7-6-78

WELL NAME	LOCATION S T R	DATE SECURED	GAL./ - DAY	PPM T.D.S.	pH	PPM CHLORIDES	PPM SULFATE
Jones A #1A MV	10-28-8	6-20	24	7452	7.0	4320	7840
Jones A #1A PC	10-28-8	6-20	1	39	6.8	13	1000
Lughes #4A	20-29-8	6-20	54	6858	7.2	4830	1280
May A #5A	18-29-8	6-20	38	7632	7.1	6320	2500
May #1A	17-29-8	6-20	80	6670	7.4	6390	500
May A #1A	17-29-8	6-20	106	7527	7.4	7170	1000
May #3A	18-29-8	6-20	42	6913	6.7	7170	1000
May A #2A	7-29-8	6-20	96	5887	7.6	6320	64
El Paso #1A	20-29-9	6-17	8	9493	6.8	6745	7080
Wansfield #2A 1241W	19-30-9	6-19		1019	7.3	24	1520
Wigley #1A 1275W	6-30-9	6-19		430	7.1	20	600
Worance #2A 1220W	21-30-9	6-19		1373	7.3	16	2520
San Juan #11A 1252W	11-30-10	6-19		636	6.4	24	800
San Ray A #1A 1263W	15-30-10	6-19		210	6.2	8	600
Atlantic D Com #5A 1209W	12-30-10	6-19		1493	6.6	16	3000
Wernaghan #4A 1237W	30-31-8	6-19		432	7.3	12	600
Wernaghan #2A 1235W	28-31-8	6-19		190	7.2	16	680
Wernaghan #1A 1234W	33-31-8	6-19		571	6.9	32	800
Walker 1A 1271W	31-31-9	6-19		1664	7.0	32	3520
Atlantic A #8A 1199W	29-31-10	6-19		2637	7.1	152	5560
Atlantic "C" 4A 1200W	31-31-10	6-19		6720	7.7	504	9800
Cott #4A 1258W	17-31-10	6-19		4506	7.0	186	7760
Rockhaven Com A-1 1212W	16-31-10	6-19		3979	6.7	270	6920