

4925

30-045-10691

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

Operator MERIDIAN OIL Location: Unit SW Sec. 16 Twp 31 Rng 10

Name of Well/Wells or Pipeline Serviced BROOKHAVEN COM #1

cps 420w

Elevation 6105' Completion Date 11/19/71 Total Depth 260' 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. N/A

RECEIVED

MAY 31 1991

Depths gas encountered: 120' - 260'

OIL CON. DIV
DIST. 3

Type & amount of coke breeze used: 7900 lbs.

Depths anodes placed: 245', 236', 227', 218', 209', 200', 191', 182', 173', 155'

Depths vent pipes placed: 245'

Vent pipe perforations: 165'

Remarks: qb #2 HOLE MAKING QUITE A BIT OF GAS.

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.

DAILY LOG

Completion Date 11-19-70

Note

$$X = 23.8 \text{ Amps}$$
Drilling Log (Attach Hereto). ☐

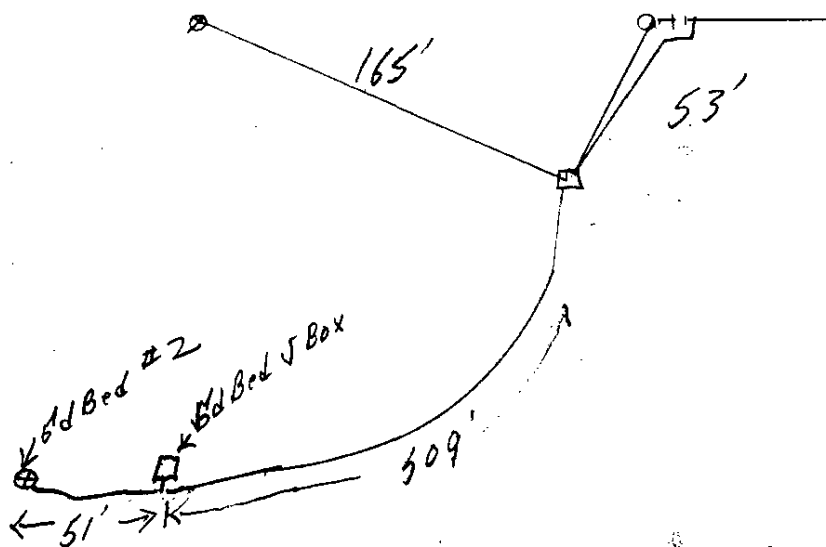
Well Name <i>Brookhaven Com. #1</i>		Location <i>SIN 16-31-10</i>		CPS No. <i>420 w</i>	
Type & Size Bit Used <i>6 3/4</i>				Work Order No. <i>52229</i>	
Anode Hole Depth <i>260'</i>		Total Drilling Rig Time		Total Lbs. Coke Used <i>7900</i>	
				Lost Circulation Mat'l Used	
				No. Sacks Mud Used	
Anode Depth					
# 1 <i>245</i>	# 2 <i>236</i>	# 3 <i>227</i>	# 4 <i>218</i>	# 5 <i>209</i>	# 6 <i>200</i>
# 7 <i>191</i>	# 8 <i>182</i>	# 9 <i>173</i>	# 10 <i>155</i>		
Anode Output (Amps)					
# 1 <i>5.8</i>	# 2 <i>5.3</i>	# 3 <i>4.6</i>	# 4 <i>4.8</i>	# 5 <i>4.5</i>	# 6 <i>4.0</i>
# 7 <i>4.8</i>	# 8 <i>4.3</i>	# 9 <i>4.3</i>	# 10 <i>4.0</i>		
Anode Depth					
# 11 <i>145</i>	# 12 <i>135</i>	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11 <i>4.3</i>	# 12 <i>4.0</i>	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Total Circuit Resistance				No. 8 C.P. Cable Used	
Volts <i>11.5</i> Amps <i>22.0</i> Ohms <i>0.52</i>				No. 2 C.P. Cable Used <i>570'</i>	

Remarks: Note! - Ground Bed Making quite a bit of Gas -
Purrip 44 Bags, Slurry 35 Bags
Vent to No1 Anode, Perforated 165'
Vent to Top Anode, - open on Both Ends

All Construction Completed

(Signature)

GROUND BED LAYOUT SKETCH



Note: 5' extra
 allowed to pay for
 depth extra

420 W

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 9.56
44	C ₃ 10.52
58	C ₄ 12.38
72	C ₅ 11.93
86	C ₆ 13.35
100	C ₇ 13.91
114	C ₈ 15.30
128	C ₉ 15.39
142	C ₁₀ 17.44
156	C ₁₁ 19.38
170	C ₁₂ 21.44
184	C ₁₃ 23.44
198	C ₁₄ 25.57

MW	MSC	gas/mol
44	C ₂	6.38
58	C ₃	5.17
72	C ₄	4.16
86	C ₅	3.38

100	2.5	Vent Perf. 165		
	2.4	Open End Vent to Top Anode		
10	2.1			
	1.85		wtr	cake
20	1.90	1 2.45	40	5.8
	1.95	2 2.36	39	5.8
30	1.92	3 2.27	39	4.6
	2.9	4 2.18	35	4.6
40	3.0	5 2.09	35	4.5
	3.1	6 2.00	31	4.0
50	2.9	7 1.91	40	4.5
	2.8	8 1.82	35	4.3
60	1.62	9 1.73	33	4.3
	1.65	10 1.55	28	4.0
70	2.7	11 1.45	32	4.8
	3.8	12 1.35	2.7	4.0
80	3.4			
	3.5			
90	3.8			
	4.0			
200	3.3			
	3.2			
10	3.2			
	3.4			
20	3.6			
	3.7			
30	3.6			
	3.5			
40	3.6			
	3.4			
50	3.0			
259	Bot			
60				

Pump 4.4 Bags

$$11.5V \quad 22.0A = 0.52 \text{ ---}$$

$$22.0 \sqrt{11.50} = 0.52$$

C. P.S. #420 m

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE Rockwell WELL NO. 420 / CONTRACTOR M. M. M. M. RIG NO. 11-19 DATE 11-19 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.
0	20	sand stone			250	260	sand							
20	89	shale												
89	120	sand mud water												
120	250	shale												
BIT NO.		NO. DC		SIZE	NO. DC		SIZE	BIT NO.		NO. DC		SIZE	NO. DC	
SERIAL NO.		STANDS		SIZE	STANDS		SIZE	SERIAL NO.		STANDS		SIZE	STANDS	
TYPE		DOWN ON KELLY			DOWN ON KELLY			TYPE		DOWN ON KELLY			TYPE	
MAKE		TOTAL DEPTH			TOTAL DEPTH			MAKE		TOTAL DEPTH			MAKE	
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 - well making for

SIGNED: Toolpusher Joe M. M. M.

Company Supervisor