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1207

#3-A 30-045-23167
#6 30-045-20773
#11 30-045-11593

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. 23 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced RIDDLE B #3A, #6, #11

cps 1467w

Elevation 6321 Completion Date 9/11/80 Total Depth 460' 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. 80' & 220'

Depths gas encountered: N/A

Type & amount of coke breeze used: 55 SACKS

Depths anodes placed: 415', 405', 395', 385', 375', 365', 355', 310', 300', 290'

Depths vent pipes placed: 455'

Vent pipe perforations: 380'

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) ☐ #11

(2" X 60" Durion)

Completion Date 9/11/80

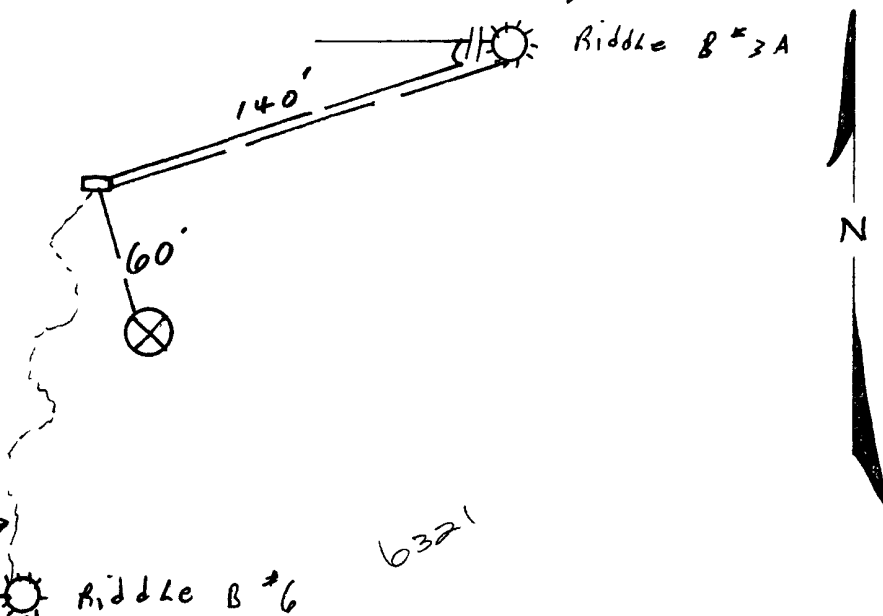
Well Name <u>Riddle B #3A</u> <u>Riddle B #6</u>		Location <u>NW 23-30-10</u>		CPS No. <u>1467 W</u>	
Type & Size Bit Used <u>6 3/4"</u>				Work Order No. <u>57475-21</u> <u>54851-19</u>	
Anode Hole Depth <u>460' T.D. 455'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>55 SACKS</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>415'</u>	# 2 <u>405'</u>	# 3 <u>395'</u>	# 4 <u>385'</u>	# 5 <u>375'</u>	# 6 <u>365'</u>
# 7 <u>355'</u>	# 8 <u>310'</u>	# 9 <u>300'</u>	# 10 <u>290'</u>		
Anode Output (Amps)					
# 1 <u>2.7</u>	# 2 <u>3.0</u>	# 3 <u>3.1</u>	# 4 <u>3.8</u>	# 5 <u>3.7</u>	# 6 <u>2.0</u>
# 7 <u>2.9</u>	# 8 <u>3.7</u>	# 9 <u>3.4</u>	# 10 <u>3.5</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					
Volts <u>12.2</u>	Amps <u>17.2</u>	Ohms <u>.71</u>			
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

Remarks: STATIC on Riddle B #3A 600' S = .84V INSULATED UNION OK
Riddle B #6 HAS BOND BOX #57-B INSULATED UNION OK
Driller said WATER AT 80'. APPROX. 4 GAL/MIN. HAD To INS. To get Through
SURFACE SAND. COULD NOT get WATER SAMPLE. HIT MORE WATER AT 22'
Drilled To 460'. Logged 455'. INSTALLED 455' of 1" P.V.C. VENT
Pipe, Perforated 380'.

Ditch + 1 cable = 200'
extra cable = 170'
10' stub pole ✓
60V 30A Rect. ✓
Hole depth - 45' ✓

All Construction Completed

GROUND BED LAYOUT SKETCH B-3A 4 S/m Reg. + Str. O.T.
 B-6 4 S/m Reg. 1 Str. O.T.



CPS# 1467W

Riddle B#3-A & B#6

W.O.#s 57475-21 ~~57475-19~~ 154851-19

DAILY DRILLING REPORT

LEASE

WELL NO.

CONTRACTOR

3-C

Drilling

RIG NO. #1

REPORT NO.

DATE SEPT. 11

1980

MORNING

DAYLIGHT

EVENING

Driller Brian

Total Men In Crew 3

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.

BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.	BIT NO.	NO. DC	SIZE	LENG.
SER. NO. 634	NO. DC	SIZE 4 1/2	LENG. 20'	SER. NO.	NO. DC	SIZE	LENG.	SER. NO.	NO. DC	SIZE	LENG.
SIZE	STANDS	SINGLES 23	SIZE	STANDS	SINGLES	SIZE	STANDS	SIZE	STANDS	SINGLES	SIZE
TYPE rock	DOWN ON KELLY	TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY	TYPE	DOWN ON KELLY
MAKE	TOTAL DEPTH 460' 455' T.D.	MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	MAKE	TOTAL DEPTH	MAKE	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.	Time	Wt.	Vis.	Time	Wt.	Vis.	Time	Wt.	Vis.

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN
0	80	blow sand - water 3-5 gpm	300	460	shale			
80	100	sand & shale						
100	120	shale						
120	160	sand						
160	180	sand & shale						
180	300	sand & bentonite						

REMARKS -

REMARKS - drilled to 40' on the 10th
 had to inject next A.M. waited
 on water at 100' had water approx
 3-5 gallons per minute.
 hit another water zone at 220'
 making approx 35 gallons per min.
 Total shale depth 460'
 Total log depth 455'

REMARKS -

SIGNED: Toolpusher

Brian Burge

Company Supervisor

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet _____ of _____

Date _____

By _____

File: _____

Riddle B "3-A
Riddle B "6

Q.P.S. 1467 W
NW 23-30-10

W.O. 57475-21
54851-19

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

20 -	250 - .9	Driller SAID WATER AT 80';
	1.0	Approx. 4 gal./min. HAD TO
90 -	70 - 1.2	Inject. To get Through
	1.6	Surface SAND. Could NOT get
100 -	80 - 2.2	Water Sample. Hit more
	- 2.4	Water AT 220'. Drilled To
10 -	90 - 2.5 - ⑩	460'. Logged 455'. Installed
	- 2.3	455' of 1" P.V.C VENT pipe
20 -	200 - 2.4 - ⑨	Perforated 380'.
	- 2.6	
20 -	10 - 2.2 - ⑧	
	- 2.1	
40 -	20 - 1.7	12.2 V 17.2 A = .71 Ω
	1.2	9/11/80
50 -	30 - 1.2	jl
	1.1	
60 -	40 - .9	
	1.4	
70 -	50 - 1.9	
	2.0 - ⑦	
80 -	60 - 1.9	
	- 2.2 - ⑥	
90 -	70 - 2.5	
	2.6 - ⑤	
200 -	80 - 2.3	1 - 415' - 2.4 - 2.7
	2.5 - ④	2 - 405' - 2.7 - 3.0
10 -	90 - 2.2	3 - 395' - 2.6 - 3.1
	- 2.1 - ③	4 - 385' - 2.8 - 3.8
20 - .7	400 - 1.7	5 - 375' - 3.0 - 3.7
	2.2 - ②	6 - 365' - 2.5 - 3.0
30 - .9	10 - 2.3	7 - 355' - 2.3 - 2.9
	2.0 - ①	8 - 310' - 2.2 - 2.7
40 - .9	20 - 1.9	9 - 300' - 2.9 - 3.4
	- 1.9	10 - 290' - 3.2 - 3.5
50 - .9	30 - 1.7	
	1.5	
	40 - 1.4	
	1.6	
	50 - 1.6	
	455 - T.D.	
	60 - Drilled To	

#1 30-045-09385

#200 30-045-27076

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

Operator MERIDIAN OIL INC. Location: Unit NE Sec. 22 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced KING #1, #200

cps 2077w

Elevation 6321' Completion Date 2/17/69 Total Depth 570' 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

Depths gas encountered: N/A

Type & amount of coke breeze used: 8140 lbs.

Depths anodes placed: 532', 526', 520', 482', 449', 443', 437', 322', 316', 310'

Depths vent pipes placed: 526'

Vent pipe perforations: 526'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIST. 3

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*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) ☒

Completion Date 2-17-69

Well Name <u>King #1 #200</u>		Location <u>NE 22-30-10</u>		CPS No. <u>815W 2017</u>	
Type & Size Bit Used <u>7 1/8 61014-275, FFS10 295-4 3/4 #404=190</u>		Work Order No. <u>184-90092-50-20-24</u>			
Anode Hole Depth <u>570</u>	Total Drilling Rig Time <u>44 Hrs</u>	Total Lbs. Coke Used <u>8140</u>	Lost Circulation Mat'l Used <u>0</u>	No. Sacks Mud Used <u>0</u>	
Anode Depth					
#1 <u>532</u>	#2 <u>526</u>	#3 <u>520</u>	#4 <u>482</u>	#5 <u>449</u>	#6 <u>443</u>
Anode Output (Amps)					
#1 <u>3.8</u>	#2 <u>3.9</u>	#3 <u>3.6</u>	#4 <u>3.5</u>	#5 <u>4.2</u>	#6 <u>5.4</u>
Anode Depth					
#11 <u>304</u>	#12 <u>298</u>	#13	#14	#15	#16
Anode Output (Amps)					
#11 <u>5.5</u>	#12 <u>5.0</u>	#13	#14	#15	#16
Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts <u>12.2</u>	Amps <u>18.0</u>	Ohms <u>1.68</u>	<u>5596</u>	<u>0</u>	

Remarks:

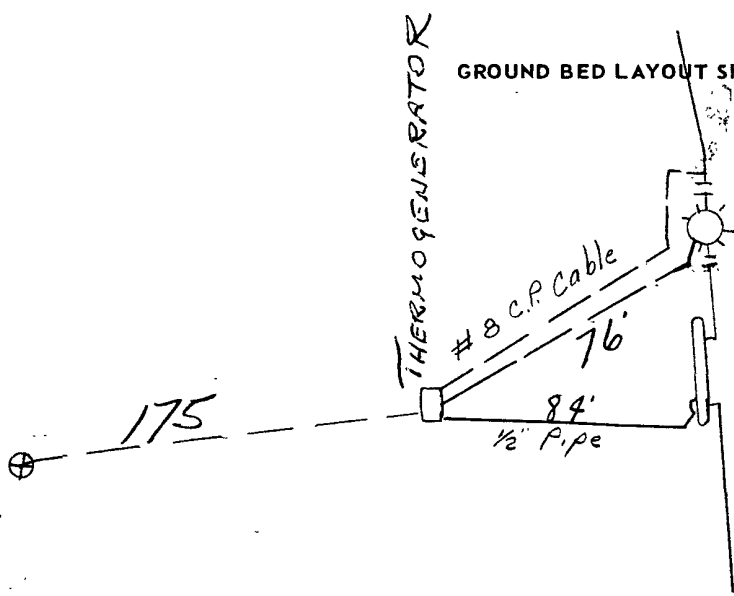
Static 1.84

Note Anodes 4, 5, 6 & 8 spliced about 4' from Anode (Tail. 3/4" Hose to No 2 Anode - Perforated - Complete 50 lbs Borafos circ. thru. Hole after Thin Down

All Construction Completed

Anals
(Signature)

GROUND BED LAYOUT SKETCH



6321

Amount \$ 404 (1904)

[illegible]