

1187

63- 30-039-07841 -

402- 30-039-24015

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 K Sec. 15 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #63, #402

cps 1899w

Elevation 6247' Completion Date 6/2/87 Total Depth 440' 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. 200'

Depths gas encountered: N/A

Type & amount of coke breeze used: N/A

Depths anodes placed: 380', 370', 350', 340', 275', 265', 255', 210', 200', 190'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #3

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)

☐

560-0135

9577401

Completion Date 6-2-87

CPS #

Well Name, Line or Plant:

Work Order #

Static:

Ins. Union Check

1899W 1907W		S.S. S.S. 30-6 #402		A 6983		N/A		☐ Good ☐ Bad	
		#63							
Location: K 15-30-7		Anode Size: 2" x 60"		Anode Type: Daricon		Size Bit: 6 3/4			
Depth Drilled 440'		Depth Logged 423'		Drilling Rig Type 6 1/2 hrs		Total Lbs. Goke Used		Lost Circulation Mat'l Used	
Anode Depth									
# 1 380	# 2 370	# 3 350	# 4 340	# 5 275	# 6 265	# 7 255	# 8 210	# 9 200	# 10 190
Anode Output (Amps)									
# 1 2.0	# 2 2.0	# 3 2.0	# 4 2.0	# 5 2.0	# 6 2.9	# 7 2.2	# 8 2.5	# 9 2.5	# 10 2.5
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 11.3		Amps 9.8		Ohms 115		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	

Remarks: Dr Her said water at 200'-no water sample, but sufficient. An static was ran because there's no ins unions at wellhead. Some sand, ~~little~~ little shale, no mud or casing used.

Rectifier Size: 40 V 16 A
Addn'l Depth _____
Depth Credit: - 77'
Extra Cable: _____
Ditch & 1 Cable: 70 671
25' Meter Pole: _____
20' Meter Pole: ✓
10' Stub Pole: _____
JUNCTION BOX 40°0

4300.00

$$\begin{array}{r} + 750.00 \\ \hline 5050.00 \\ - 308.00 \\ \hline 4742.00 \\ 261.65 \end{array}$$

All Construction Completed

Pamela Smith
(Signature) *Pamela*

295.00 GROUND BED LAYOUT SKETCH

EPNG

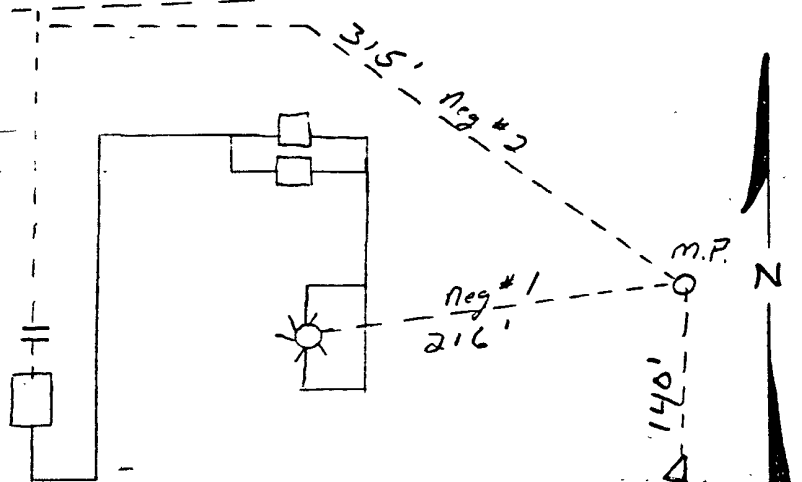
Row

10 Stub File:
JUNCTION BOX

40.0

$$\begin{array}{r} 40.00 \\ \hline 53.38.66 \\ 266.93 \end{array}$$

5602.62



Negative #2 is to be cutwelded on dog leg.

CPS 1899 W

COMPANY Meridian **DAILY DRILLING REPORT** June 1, 1987

WATER AT:	FEET:	HOLE MADE:
180'		6 3/4

[illegible]

Kevin Buzze

Driller

Tool Dresser

BURG CORROSION SYSTEMS, IC.

P.O. BOX 1359 - PHONE 334-6141

AZTEC, NEW MEXICO 87410

DEEP WELL GROUND BED LOG

Date June 2 1987

Meridian D. 1

Company

Well No. S.S.304402

Location K15-30-7

Volts Applied 11.3

Amperes 9.8

5		230	.51		455		680
10		235	.50		460	10 380 1.1	685
15		240	.71		465	9 370 1.0	690
20		245	.53		470	8 350 1.1	695
25		250	.51		475	7 340 1.2	700
30		255	1.03	(3)	480	6 275 1.1	705
35		260	1.21	(4)	485	5 265 1.7	710
40		265	1.34	(5)	490	4 255 1.4	715
45		270	1.17	(6)	495	3 210 1.5	720
50		275	1.0	(6)	500	2 200 1.4	725
55		280	.52		505	1 190 1.1	730
60		285	.36		510		735
65		290	.43		515		740
70		295	.48		520		745
75		300	.53		525		750
80		305	.54		530		755
85		310	.62		535		760
90		315	.58		540		765
95		320	.53		545		770
100		325	.58		550		775
105		330	.63		555		780
110		335	.86		560		785
115		340	.93	(7) 1.0	565		790
120		345	1.03		570		795
125		350	.92	(8) 1.2	575		800
130		355	.69		580		805
135		360	.49		585		810
140		365	.47		590		815
145		370	1.25	(9) 1.2	595		820
150		375	1.13		600		825
155		380	1.14	(10) 1.1	605		830
160		385	.84		610		835
165		390	.68		615		840
170		395	.58		620		845
175		400	.65		625		850
180		405	.65		630		855
185		410	.65		635		860
190	31	415	.54		640		865
195	1.13	420	.42	3	645		870
200	1.07	425			650		875
205	1.23	430			655		880
210	1.78	435			660		885
215	.71	440			665		890
220	.55	445			670		895
225	.50	450			675		900

1188

63- 30- 039- 07841

402 30-039- 24015

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 SW Sec. 15 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #63, #402

cps 1899w

Elevation 6247' Completion Date 7/14/64 Total Depth 575' 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: 47 SACKS

Depths anodes placed: 510', 504', 498', 492', 486', 480', 474', 385'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #2

RECEIVED
MAY 31 1991
OIL CON. DIV.
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.

SS 30-6 Unit 402 #63

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT
 DAILY LOG

No. 2 GND BED daily

Date 7-14-64

Well Name Howell # 4 B		CPS No. 134 W 1890	
Location 5W 15 - 30-7		Work Order No. 52130	
Anode Hole Depth 575'	Total Drilling Rig Time 58 Hrs.	Type & Size Bit Used 10758X = 75' 9254 = 105' 6 1/4 - 9257 = 140', 6061X = 155'	No. Sacks Mud Used 2
No. Sacks Lost Circulation Mat'l Used 0	Anode Depth		
	#1 510	#2 504	#3 498
Total Lbs. Coke Used 47 sacks 7050	Anode Output (Volts)		
	#1 1.8	#2 2.2	#3 2.5
Total Circuit Resistance	No. Ft. Surface Cable Conduit		
Volts 12.0	Amps 7.1	Ohms 1.69	155'

Drilling Log (Attach Hereto) ☐

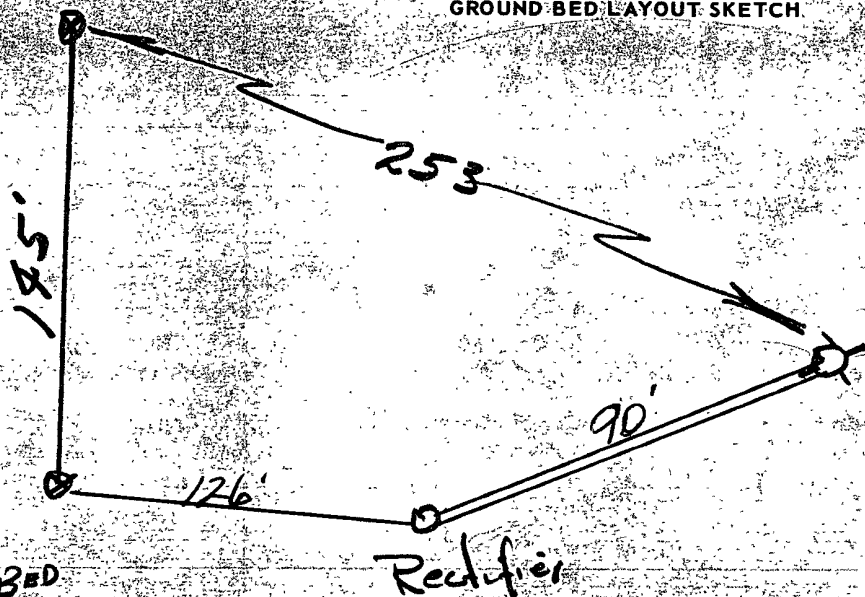
Remarks:

All Construction Completed

Barrels
 (Signature)

GROUND BED LAYOUT SKETCH

GND BED NO. 2



GND BED
 No. 1

Original & 1 Copy All Reports

6247

395

4024

LEASE **HOWELL-** WELL NO: **4-B** CONTRACTOR **J.F. WILSON** RIG NO: **D-1** REPORT NO: **710134** DATE: **7/10/13** H: **18**

[illegible][illegible]

BIT NO.	NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.	EN6
SERIAL NO. 9264 HMM	NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.	EN6
64	1051	STANDS		60	10758 X		
TYPE BACK	SINGLES			DOWN ON KELLY	SINGLES		
	TOTAL DEPTH				TOTAL DEPTH		
BIT NO.	NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.	EN6
SERIAL NO. 10758 X	NO. DC	SIZE	LENG.	NO. DC	SIZE	LENG.	EN6
64	60	STANDS		15	10758 X		
TYPE BACK	SINGLES			DOWN ON KELLY	SINGLES		
	TOTAL DEPTH				TOTAL DEPTH		

[illegible][illegible]

REMARKS	REMARKS	REMARKS
LEFT ROAD - 6 AM. TRAVELED FIELD. ROAD 95 FT. DRAINAGE. TRAVEL TO LEFT FIELD. AT 6 PM.	LEFT ROAD. 6 AM. TRAVELED FIELD. ROAD 95 FT. DRAINAGE. TRAVEL TO LEFT FIELD. AT 6 PM.	LEFT ROAD. 6 AM. TRAVELED FIELD. ROAD 95 FT. DRAINAGE. TRAVEL TO LEFT FIELD. AT 6 PM.
7:10. 64	7:10. 64	7:10. 64
10. 44. 65.	10. 44. 65.	10. 44. 65.

SIGNED: Toolusher

COMPASS

1189

63-30-039-07841

402-30-039-24015

E

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 SW Sec. 15 Twp 30 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #63, #402
cps 1899w

Elevation 6247' Completion Date 4/2/63 Total Depth 140' 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

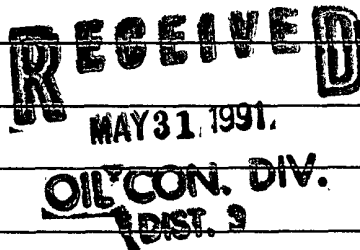
Type & amount of coke breeze used: 1105 lbs.

Depths anodes placed: 90', 84', 58', 52', 46'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1



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If Federal or Indian, add Lease Number.

ST 30-6 unit # 63, # 402

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

DATE 4-2-63

WELL NAME Howell No 4-B

CPS NO. 134 W 1899 W

LOCATION SK# Sec. 15 T30 NR 7W

WORK ORDER NUMBER 184-40542-50-02

ANODE HOLE DEPTH 140

TOTAL DRILLING RIG TIME 5 Hrs.

DRILLING TIME FOR RECTIFIER POLE HOLE _____

TYPE AND SIZE BIT USED 6 1/4 Rock - WM 1539 1549 & Hughes #5 120' 20'

NUMBER SACKS MUD USED 0

NUMBER SACKS LOST CIRCULATION MAT'L USED 0

ANODE DEPTHS #1 90, #2 84, #3 58, #4 52 #5 46

TOTAL LBS. COKE USED 1105 (13 sacks)

ANODE OUTPUTS 12.4 VOLTS, #1 3.6, #2 3.3, #3 3.5, #4 4.5 #5 4.0

TOTAL CIRCUIT RESISTANCE: VOLTS 11.8 AMPERES 8.5 OHMS 1.39

NUMBER FEET SURFACE CABLE ~~CONDUIT~~ 340'

DRILLING LOG (ATTACH HERETO).

FORMATION LOG (ATTACH HERETO).

REMARKS: Static 9's 74 R. 600' North

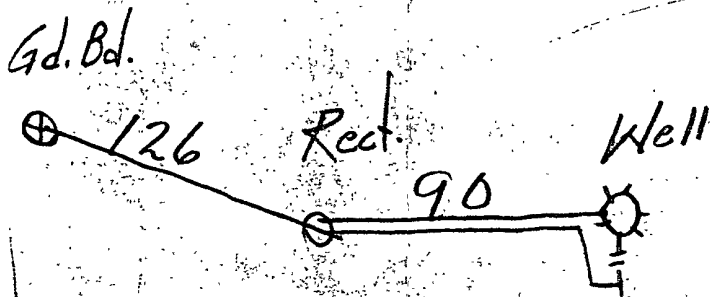
Installed Good All Rectifier 28V 12A

Serial No. 62C 6236 Tagged 134W

ALL CONSTRUCTION COMPLETED

Arrels
SIGNATURE

GROUND BED LAYOUT SKETCH



ORIGINAL & 1 COPY
ALL REPORTS

756'

DRILLING DEPARTMENT

DAILY DRILLING REPORT

Howell No. 4-B

PLEASE CALL TIM RYAN WELL NO

CONTRACTOR DE Wilson

RIGNO: 91-16

REPORT NO.



19

MORNING										DAYLIGHT										EVENING									
Driller		Total Man In Crew				Driller				Total Man In Crew				Driller				Total Man 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	5	clay	150		10	65	shale	150		100	120	551566500	850																
5	30	551 sand	1		65	80	551 shale	150		120	140	551474440	850																
30	35	shale	1		80	100	551 shale	150																					
35	40	55	1		100		551 shale	150																					
BIT NO.		NO. DC		SIZE	LENG.		NO. DC		SIZE	LENG.		NO. DC		SIZE	LENG.		NO. DC		SIZE	LENG.									
SERIAL NO.		STANDS		SINGLES		DOWN ON KELLY		TOTAL DEPTH		MUD RECORD		MUD ADDITIVES USED AND RECEIVED		TIME		VIS		TIME		VIS									
TYPE		ROCK		MATERIAL		TYPE		ROCK		TYPE		ROCK		TYPE		ROCK		TYPE		ROCK									
MAKE		DINAC		MATERIAL		MAKE		DINAC		MAKE		DINAC		MAKE		DINAC		MAKE		DINAC									
TIME		WT		VIS		TIME		WT		TIME		WT		TIME		WT		TIME		WT									
FROM		TO		TIME BREAKDOWN		FROM		TO		TIME BREAKDOWN		FROM		TO		TIME BREAKDOWN		FROM		TO									
REMARKS		April 2 - Drilled 140' finished hole				REMARKS		5 hrs				REMARKS		5 hrs				REMARKS		5 hrs									

Driller

Company Supervisor

STEFAN: I'm Stefan.

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Company Supervisor *W. H. Herrick*