

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Revised 10-76

6. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
OG-1847	

10. TYPE OF WELL	
OIL WELL ☒	GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION	
NEW WELL ☒	WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name
8. Farm or Lease Name
State BG
9. Well No.
3
10. Field and Pool, or Wildcat
Quail Queen

2. Name of Operator	
Read & Stevens, Inc.	
3. Address of Operator	
P.O. Box 2126, Roswell, New Mexico 88201	

4. Location of Well	
UNIT LETTER B	LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM
THE East LINE OF SEC. 14	TWP. 19-S RGE. 34-E NMPM

12. County
Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)
4-28-77	5-29-77	8-1-77	3967' GR-3977' RKB
20. Total Depth	21. Plug back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By
5548'	5506'	-----	Rotary Tools

19. Elev. Casinghead	24. Producing Interval(s), of this completion -- Top, Bottom, Name
-----	5136'-5142' Queen Sand
25. Was Directional Survey Made	26. Type Electric and Other Logs Run
No	GR, Cal.-FDC, CNL; GR, Cal.-DLL, Micro SFL

24. Producing Interval(s), of this completion -- Top, Bottom, Name	
5136'-5142' Queen Sand	
26. Type Electric and Other Logs Run	
GR, Cal.-FDC, CNL; GR, Cal.-DLL, Micro SFL	

25. Was Directional Survey Made	27. Was Well Cored
No	Yes

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	423'	12 3/4"	240 sx.-circulated	None
4 1/2"	10.5#	5548'	7 7/8"	1190 sx.-2 stages	None

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	5074'	5039'

30. TUBING RECORD	
SIZE	DEPTH SET
2 3/8"	5074'

31. Perforation Record (Interval, size and number)	
4040'-44" & 4054'-61" w/ 22 (1/2") shots-Dry	
4574'-80" & 4716'-24" w/28 (1/2") shots-Dry	
5136'-42" w/ 16 (1/2") shots- Producing	

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
See Schedule	

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
6-12-77		Pumping				Producing	
Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
8-1-77	24 hrs.	----	-----	20	TSTM	42	TSTM
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
-----	-----	-----	20	TSTM	42	33°	

33. PRODUCTION	
Date First Production	Production Method
6-12-77	Pumping
Date of Test	Hours Tested
8-1-77	24 hrs.
Choke Size	Prod'n. Per Test Period
----	-----
Oil - Bbl.	Gas - MCF
20	TSTM
Water - Bbl.	Gas-Oil Ratio
42	TSTM
Calculated 24-Hour Rate	Oil Gravity - API (Corr.)
-----	33°

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	
Fuel	

Test Witnessed By
Dan Lough

35. List of Attachments	
2 copies Logs & Inclination Report	

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.		
SIGNED John L. Anderson	TITLE Agent	DATE 8-11-77

mp

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 40 through 54 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy 1853'(+2124)	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt 1978'(+1999)	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
T. Salt 3330'(+674)	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates 3598'(+379)	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen 4802'(-825)	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta	T. McKee	T. Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinberry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo	T. Bone Springs	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from 5136' to 5142' oil sand	No. 4, from to
No. 2, from to	No. 5, from to
No. 3, from to	No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet	
No. 2, from to feet	
No. 3, from to feet	
No. 4, from to feet	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1853'	1853	Red Beds				
1853'	1978'	125	Anhy.				
1978'	3330'	1352	Salt				
3330'	3598'	268	Anhy. & dolo.				
3598'	4802'	1204	Anhy, dolo., sand & shale				
4802'	5548'	746	Sand, dolo., Anhy & shale				

RECEIVED
AUG 1 1977
OIL CONSERVATION COMM.
HOBBS, N. M.

Read & Stevens, Inc. #3 State BG
Schedule

32. Acid, Shot, Fracture, Cement Squeeze, etc.
- | | |
|-----------------------|---|
| 4040'-44' & 4054'-61' | Acidized w/ 1000 gals. 15% NE acid &
Fraced w. 12,100 gals. gelled water &
10,000# 20/40 sand. |
| 4574'-80' & 4716'-24' | Acidized w/ 1000 gals. 15% NE acid &
Fraced w/ 20,000 gals. gelled water &
16,500# 20/40 sand. |
| 5136'-5142' | Acidized w/ 1000 gals. 15% NE acid &
Fraced w/ 20,000 gals. gelled water &
15,000# 20/40 sand & 21,000# 10/20 sand. |

Cores

See atached core descriptions on six conventional cores and selected
sidewall cores taken in this well.

Drill Stem Tests

There were no drill stem tests taken in this well.

INCLINATION REPORT

OPERATOR Read & Stevens, Inc. ADDRESS P.O. Box 2126, Roswell, New Mexico 88201
 LEASE State "BG" WELL NO. 3 FIELD _____
 LOCATION Sec. 14, T-19S, R-34E, Lea County, New Mexico

Depth	Angle Inclination 'degrees)	Displacement	Displacement Accumulated
423	1/2	3.6801	3.6801
917	3/4	6.4714	10.1515
1398	1	8.4175	18.5690
1561	3/4	2.1353	20.7043
2030	1/2	4.0803	24.7846
2364	1/2	2.9058	27.6904
3163	1	13.9825	41.6729
3576	1 1/4	9.0034	50.6763
3836	1	4.5500	52.2263
4040	1	3.5700	55.7963
4844	1 1/4	17.5272	73.3235
5110	3/4	3.4846	76.8081
5170	3/4	.7860	77.5941
5268	3/4	1.2838	78.8779
5548	3/4	3.6680	82.5459

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

Cactus Drilling Company

Doug Cloud
 Title: Doug Cloud, Admn. Asst.

Affidavit:

Before me, the undersigned authority, appeared Doug Cloud known to me to be the person whose name is subscribed herebelow, who, on making deposition, under oath states that he is acting for and in behalf of the operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

Doug Cloud
 (Affiant's Signature)

Sworn and subscribed to in my presence on this the 7th day of _____

June 1977.

MY COMMISSION EXPIRES MARCH 1, 1980

Seal

James F. Murphy
 Notary Public in and for the County
 of Lea, State of New Mexico

RECEIVED

AUG 17 1977

OIL CONSERVATION COMM.
HOBBS, N. M.

George R. Reddy

Consulting Geologist

Bus. (505) 623-6233

Res. (505) 623-3767

200 West First Street
Roswell, New Mexico 88201

READ & STEVENS, INC.
No. 3 State BG

660' FNL & 1980' FEL Sec. 14, T 19S, R 34E
Lea County, New Mexico

Core No. 1 4040'-4100'

- 4040-41 Red Claystone & clear-Whi anhy
- 42 AA
- 43 Dolo, Lt Gray, Anhydritic, Micro-X, Tr of vugular porosity. Bleeding oil.
- 44 Dolo, VFX, Tan-Lt Gry, Tr porosity
- 45 Dolo, VF-VCX, Tan-Lt Gray, Incr porosity, Bleeding oil, Anhy
- 46 Dolo, VF-FX, AA, PP Vug porosity
- 47 Dolo, VFX, AA
- 48 Dolo, AA
- 49 Dolo, AA, Lamin w/Anhy, Dolo, Bleeding oil
- 50 Dolo, AA, sucrosic, VFX, Bleeding oil
- 51 Dolo, Lt Gray, Micro-X, Dns, Hrd, N.S.
- 52 Clayst, Green-Gray, Anhy
- 53 Anhy, Gray, red, Dns, Clayey
- 54 Sltst, Clayey, Anhy, red-gray
- 55 Anhy & VFG sand, Gray, slty, sdy, Dolo
- 56 Anhy, slty, clayey, xlline, oil stained
- 57 Anhy, AA/w sdy VFG, A, oil stained
- 58 Anhy, AA v/sandy, VFG, A, oil stained
- 59 SS, Gray, VFG, A, V/Anhy, oil stained
- 60 SS, AA
- 61 Anhy, Gray, VFX, Dns, Clayey
- 62 Anhy, AA
- 63 Claystone, greenish gray
- 64 Anhy, amber, whi, red, Dns, Micro-X
- 65 Sltstone, red, Anhy
- 66 SS, Gray, VFG, Anhy, Dns, No porosity.
- 67 Anhy, Brnish red, VCX, Dns, hrd, Dolomitic w/streaks sandy clayst
- 68 Anhy, AA w/gray sdy clayst
- 69 Sltst, red, sdy, Anhy
- 70 Anhy, reddish brn, Dns, sdy, sli Dolo
- 71 Anhy, AA w/more sdy clayst
- 72 Anhy, Rdish-Brn, CX-Micro X, Dns
- 73 Anhy, AA, w/splotches of pinkish gray Micro-X Dolo
- 74 Anhy, AA
- 75 Anhy, AA
- 76 Anhy, AA

4076-77 Dolo, Rdish gray, Micro-X, Dns, Anhy
78 Sltst, red, Dolo, Anhy, sdy
79 SS, Gray, red, VFG, SA-SR, Dolo, Anhy
80 Sltst, red, anhy, sdy
81 SS, red, VF-FG, SR, V/anhy
82 Shale, red, silty, anhy
83 Shale, AA, Sdy
84 Anhy, rdish brn, VF-MX, Dns, hrd, gilsonite, VFX Dolo
85 Anhy, Pink-whi, VFX, Dns
86 Anhy, AA
87 Anhy, AA w/some gilsonite
88 Dolo, pink, Micro-X, w/coarse Xlls of selenite(?)
floating in matrix
89 Dolo, AA
90 Dolo, AA
91 Dolo, AA
92 Claystone, red & green, anhydritic
93 Dolo, Micro-X, v/dns, hrd, rdish gray
94 Dolo, AA
95 Dolo, rdish gray, VFX-Micro X, w/large X'lls of selenite
in matrix
96 Sltst, red, Anhy, w/streaks Micro-X Dolo
97 Sltst, AA
98 Sdst, red, VFG, SR, well sorted, Anhy
99 SS, AA
4100 SS, AA

LOGGING AND DRILLING RECORD AMERICAN COLDCSET CORPORATION

(505) 397-1407
Hobbs, New Mexico 88240

(915) 683-1846
Midland, Texas 79701

AREA: Hobbs, N.M.

DATE 5-8 19 77

OPERATOR Read & Stevens
OPERATOR REP. New Lough
CONTRACTOR Carter Drilling

WELL NO. 8 LEASE State "RC"
FIELD Permian
COUNTY San STATE N.M.

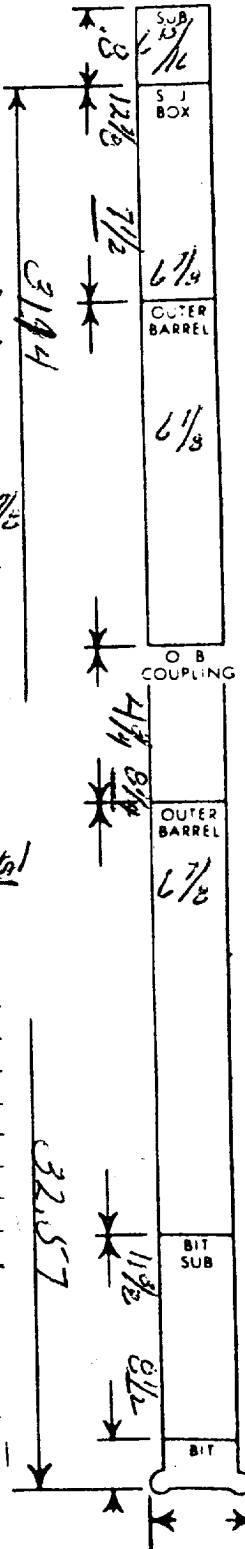
BIT SIZE		BIT NUMBER	CORE OR RUN NO.	INTERVAL CORED/DRILLED		FEET CORED/DRILLED	FT. REC'D	% REC'D	HOURS ON BOTTOM	FT./HR.
O.D.	I.D.			FROM	TO					
7 3/4	4 1/4	12993	1	4040	4100	60	60	100	20	3

MUD							GPM	AVERAGE WEIGHT	AVER. R.P.M.	PRESSURE		
TYPE	VISC.	WT.	W/L	%SAND	%SOIL	GELS				ON BOTTOM	OFF BOTTOM	DROP
Salt Soln.	34	10 ²	18 ²	-	-	2/4	250	4/200	60	1300	1100	200

DEPTH		TIME		MIN PER FOOT	FORMATION / REMARK	DEPTH		TIME		MIN PER FOOT	FORMATION / REMARK
FROM	TO	FROM	TO			FROM	TO	FROM	TO		
4040	4041	6:41	7:06	20	PM 5-8-77	4070	4071	5:38	5:59	21	5.45 x 6 x 2 3/8
	42		7:28	22			72		6:18	19	4 1/2" Reg. P. 1/4"
	43	7:28	8:05	12			73		6:38	20	5 1/2" F4 P. 1/4"
	44	8:05	8:40	35			74		6:54	16	6 1/4" x 2.84 x 2
	45	8:40	9:02	22	(191)		75	(94)	7:12	18	4 1/2" Reg. Box A
	46	9:02	9:44	42			76		7:24	12	5 1/2" x 4 1/2" P. 1/4"
	47	9:44	10:24	40			77		7:44	20	7.15 x 1 1/2" x 2 3/8
	48	10:24	11:00	36			78		7:58	14	5 1/2" Reg. P. 1/4"
	49	11:00	11:39	31	8 MIN. CRNT.		79		8:11	13	4 1/2" Reg. Box A
4050	4051	11:39	11:54	19	(165)	4080	4081	(75)	8:27	12	
	51	11:54	12:22	24			81		8:40	13	
	52	12:22	12:43	21			82		8:53	13	5.45
	53	12:43	1:02	19			83		9:08	15	7.84
	54	1:02	1:16	14			84		9:26	18	7.15
	55	1:16	1:31	15	(93)		85	(75)	9:42	16	1.80
	56	1:31	1:42	11			86		9:52	10	31.14
	57	1:42	1:54	12			87		10:18	26	32.57
	58	1:54	2:04	10		4088	4089	10:41	23	73.110 Total	
	59	2:04	2:17	13			89		10:58	17	
4060	4061	2:17	2:37	10	(56)	4090	4091	(102)	11:25	27	
	61	2:37	2:40	13			92		11:47	22	
	62	2:40	2:55	15			93		12:01	20	
	63	2:55	3:14	15			94		12:18	21	
	64	3:14	3:37	23			95	(107)	12:54	26	
	65	3:37	3:57	20	(86)		96		1:07	13	
	66	3:57	4:12	15	(85)		97		1:23	16	
	67	4:12	4:51	45	COND @ 4 min		98		1:38	15	
	68	4:51	5:05	14			99		2:08	21	
	69	5:05	5:23	18			100	(94)	2:25	17	
4070	4071	5:23	5:38	15	(97)				2:40	15	

COMMENTS: String Wt 124
50 strokes/min

W. M. T. H.



George R. Reddy

Consulting Geologist

Bus. (505) 623-6233

Res. (505) 623-3767

200 West First Street

Roswell, New Mexico 88201

READ & STEVENS, INC.

No. 3 State BG

660' FNL & 1980' FEL Sec. 14, T 19S, R 34E
Lea County, New Mexico

Core No. 2 4580'-4640'

4580-81 Anhy, Gray, intermixed w/red FG sand, some Gray sand,
No porosity, N.S.
82 Shale, Grnish Gray, Sli sdy
83 Anhy, Gray, Dns
84 Claystone, green, calc
85 Anhy, Gray, Dns
86 Anhy, AA
87 Anhy, AA
88 Anhy, AA
89 Dolo, Tan, Micro-VFX, Dns, N.S.
90 Dolo, Tan, VF-CX, Dns, N.S.
91 Dolo, Tan, CX, mixed w/anhy
92 Sh, Grnish Gray
93 Anhy, Gray, Dns
94 Anhy, Gray, Dns
95 Dolo, Tan, Micro-MX, Dns, N.S.
96 Anhy, Gray, mixed w/Dolo
97 Dolo, Tan, lamin
98 Anhy, Gray, Dns
99 Dolo, Brn, VCX, Dns, Anhy
4600 Dolo, Gray, Brn, Micro-VCX, Dns, Anhy
01 Anhy, gry, VFX, Dns
02 Anhy, Gray, VCX, Dns
03 Anhy, AA
04 Anhy, Gray, VFX, Dns
05 Anhy, AA
06 Dolo, Tan, Micro-MX, Dns
07 Dolo, Tan, AA mixed w/gray anhy
08 Dolo, Gray, Micro-X, Dns, w/scattered CX
09 Dolo, Brnish Gray, Micro-X, Dns, w/some CX
10 Dolo, AA
11 Dolo, Gray, Micro-X, Dns
12 Dolo, AA
13 Anhy, Gray, VCX, Dns
14 Anhy, AA
15 Anhy, AA

Read & Stevens, Inc.
No. 3 State BG
Page 2

4615-16 Anhy, Gray, VCX, Dns
17 Anhy, AA
18 Dolo, Gray, Micro-X-MX, Dns
19 Dolo, Brn, CX, Anhy, Dns
20 Dolo, Tan, MX-Micro-X, Dns
21 Dolo, Tan, VCX, Dns
22 Dolo, Dk Gray, Micro-X, Dns
23 Dolo, AA
24 Anhy, Gray, VFX, Dns
25 Anhy, AA mixed w/gray micro-X Dolo
26 Anhy, Gray, VFX, Dns
27 Anhy, Gray, FX-CX, Dns
28 Anhy, AA
29 Anhy, AA
30 Anhy, AA
31 Anhy, Lt Gray, VFX, Dns
32 Dolo, Micro-CX, Dns, Gray-Brn
33 Anhy, Gray, F-CX, Dolo, Dns
34 Dolo, Brn, VFX, sli sucrosic absorbs acid
35 Dolo, Gray, Micro-X -CX, Dns
36 Dolo, AA mostly micro-X.
37 Anhy, Lt Gray, Micro-MX, Dns
38 Dolo, Gray, Micro-X w/anhy, Gray, VF-MX
39 Dolo, Gray, tan, Micro X-VCX, Dns
40 Anhy, Gray, Whi, VFX-MX, Dns



CORING AND DRILLING RECORD
AMERICAN COLDSET CORPORATION
(505) 397-1407 (915) 683-1846
Hobbs, New Mexico 88240 Midland, Texas 79701



AREA: Hobbs, N.M.

DATE 5-13 19 77

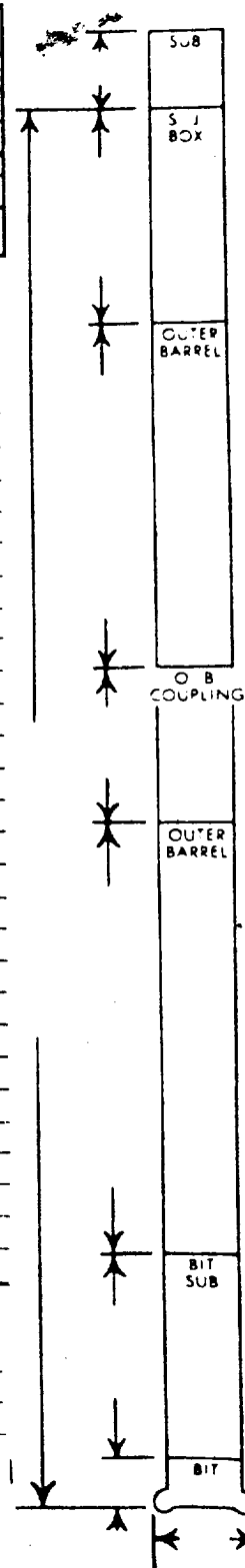
OPERATOR Brad & Stevens, Inc. WELL NO. #3 LEASE State BG
OPERATOR REP. Don Lough FIELD Opal Green
CONTRACTOR Carter Drilling Co. # 66 COUNTY Leon STATE N.M.

BIT SIZE		BIT NUMBER	CORE OR RUN NO.	INTERVAL CORED/DRILLED		FEET CORED/DRILLED	FT. RECD	% RECD	HOURS ON BOTTOM	FT./HR.
O.D.	I.D.			FROM	TO					
<u>7 13/16</u>	<u>4 1/4</u>	<u>12943</u>	<u>#2</u>	<u>4580</u>	<u>4640</u>	<u>60</u>			<u>22 1/4</u>	
MUD										
TYPE	W.C.	WT.	W/L	SSAND	SOIL	GELS	GPM	AVERAGE WEIGHT	SPR. R.P.M.	PRESSURE
<u>Brine</u>	<u>34</u>	<u>10²</u>	<u>26⁴</u>				<u>262 1/2</u>	<u>1800</u>	<u>65</u>	<u>1250</u>
									<u>1050</u>	<u>200</u>

DEPTH		TIME		MIN PER FOOT	FORMATION / REMARK	DEPTH		TIME		MIN PER FOOT	FORMATION / REMARK
FROM	TO	FROM	TO			FROM	TO	FROM	TO		
<u>4580</u>	<u>4581</u>	<u>11:04</u>	<u>1:21</u>	<u>17</u>	<u>AM 5-13-77</u>	<u>4610</u>	<u>4611</u>	<u>12:23</u>	<u>12:48</u>	<u>25</u>	
	<u>82</u>		<u>1:43</u>	<u>22</u>			<u>12</u>		<u>1:10</u>	<u>22</u>	
	<u>83</u>		<u>2:04</u>	<u>21</u>			<u>13</u>		<u>1:31</u>	<u>21</u>	
	<u>84</u>		<u>2:26</u>	<u>22</u>			<u>14</u>		<u>1:53</u>	<u>22</u>	
	<u>85</u>		<u>2:48</u>	<u>23</u>	<u>(105)</u>		<u>15</u>	<u>(107)</u>	<u>2:12</u>	<u>19</u>	
	<u>86</u>		<u>3:10</u>	<u>21</u>			<u>16</u>		<u>2:34</u>	<u>22</u>	
	<u>87</u>		<u>3:32</u>	<u>21</u>			<u>17</u>		<u>2:56</u>	<u>25</u>	
	<u>88</u>		<u>3:54</u>	<u>22</u>			<u>18</u>		<u>3:18</u>	<u>22</u>	
	<u>89</u>		<u>4:16</u>	<u>22</u>			<u>19</u>		<u>3:40</u>	<u>26</u>	
	<u>4590</u>		<u>4:38</u>	<u>21</u>	<u>(126)</u>		<u>4620</u>	<u>(113)</u>	<u>4:05</u>	<u>21</u>	
	<u>91</u>		<u>5:00</u>	<u>19</u>			<u>21</u>		<u>4:27</u>	<u>20</u>	
	<u>92</u>		<u>5:22</u>	<u>18</u>			<u>22</u>		<u>4:49</u>	<u>24</u>	
	<u>93</u>		<u>5:44</u>	<u>20</u>			<u>23</u>		<u>5:11</u>	<u>29</u>	
	<u>94</u>		<u>6:06</u>	<u>22</u>			<u>24</u>		<u>5:33</u>	<u>25</u>	
	<u>95</u>		<u>6:28</u>	<u>22</u>	<u>(106)</u>		<u>25</u>	<u>(114)</u>	<u>5:55</u>	<u>20</u>	
	<u>96</u>		<u>6:50</u>	<u>23</u>			<u>26</u>		<u>6:17</u>	<u>23</u>	
	<u>97</u>		<u>7:12</u>	<u>20</u>			<u>27</u>		<u>6:39</u>	<u>24</u>	
	<u>98</u>		<u>7:34</u>	<u>21</u>			<u>28</u>		<u>7:01</u>	<u>22</u>	
	<u>99</u>		<u>7:56</u>	<u>21</u>	<u>(121)</u>		<u>29</u>		<u>7:23</u>	<u>19</u>	
	<u>4600</u>		<u>8:18</u>	<u>32</u>	<u>SPR. 11 MIN.</u>		<u>4630</u>	<u>(110)</u>	<u>7:45</u>	<u>22</u>	
	<u>01</u>		<u>8:40</u>	<u>21</u>			<u>31</u>		<u>8:07</u>	<u>18</u>	<u>SPR. 10 min</u>
	<u>02</u>		<u>9:02</u>	<u>21</u>			<u>32</u>		<u>8:29</u>	<u>21</u>	
	<u>03</u>		<u>9:24</u>	<u>19</u>			<u>33</u>		<u>8:51</u>	<u>14</u>	
	<u>04</u>		<u>9:46</u>	<u>29</u>			<u>34</u>		<u>9:13</u>	<u>9</u>	
	<u>05</u>		<u>10:08</u>	<u>23</u>	<u>(113)</u>		<u>35</u>	<u>(93)</u>	<u>9:35</u>	<u>31</u>	
	<u>06</u>		<u>10:30</u>	<u>15</u>			<u>36</u>		<u>9:57</u>	<u>33</u>	
	<u>07</u>		<u>10:52</u>	<u>25</u>			<u>37</u>		<u>10:19</u>	<u>20</u>	
	<u>08</u>		<u>11:14</u>	<u>19</u>			<u>38</u>		<u>10:41</u>	<u>22</u>	
	<u>09</u>		<u>11:36</u>	<u>18</u>			<u>39</u>		<u>11:03</u>	<u>28</u>	
	<u>4610</u>		<u>12:23</u>	<u>30</u>	<u>(107)</u>		<u>4640</u>	<u>(122)</u>	<u>11:27</u>	<u>19</u>	<u>PM 5-13-77</u>

COMMENTS: String WT 72,000 # 53 GPM. Coring Time 22 hrs
Started w/ hole 6:45 PM 5-12-77

W. Mitchell



George R. Reddy

Consulting Geologist

Bus. (505) 623-6233

Res. (505) 623-3767

200 West First Street
Roswell, New Mexico 88201

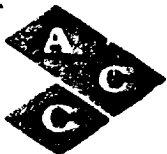
READ & STEVENS, INC.
No. 3 State BG

660' FNL & 1980' FEL Sec. 14, T 19S, R 34E
Lea County, New Mexico

Core No. 3 4844'-4904'

- 4844-45 SS, Gray, VF-FG, SA-R, Glauc, well srtd, slty, Tight
- 46 SS, AA, FG, salty taste, N.S.
- 47 SS, red-brn, VFG-FG, R-SR, Sli Dolo, anhy, slty, N.S.
- 48 SS, AA, Anhy
- 49 SS, AA w/anhydritic
- 50 Anhy, sandy
- 51 Dolo, gray, sandy, Anhy
- 52 Dolo, Gray-Brn, Micro X-CX, anhy
- 53 SS, Gray, VF-FG, Well sorted, SR, Tight
- 54 Dolo, Micro X, Gray, Dns
- 55 SS, Gray, AA
- 56 SS, Gray, AA
- 57 SS, Gray, FG-MG, SA, Tight, N.S.
- 58 SS, Gray, AA
- 59 SS, Gray, AA w/abundant dk minerals
- 60 SS, Gray, AA w/scattered Med. Grs, frosted, rounded
- 61 SS, Gray, FG, R-SR, w/scattered MG
- 62 Claystone, Green, Sli fissile, sdy
- 63 Siltstone, Dk Brn, Mica, Dolo
- 65 SS, Green, VFG, Clayey, Anhy, Tight
- 66 SS, AA
- 67 SS, AA, V/Anhy
- 68 Anhy, Gray, CX, Sli Dolo
- 69 Anhy, AA
- 70 Anhy, AA
- 71 Anhy, CX, Gray, Sli Dolo
- 72 Dolo, Brn, CX, Anhy
- 73 Dolo, Micro X-CX, Dns, Brn
- 74 Anhy, Gray, CX, Dns
- 75 Anhy, AA
- 76 Anhy, AA, mixed w/Dolo, Brn, CX, AA
- 77 Anhy, AA
- 78 Anhy, AA
- 79 Dolo, Lt Brn, Micro X W/MX scattered in matrix, Dns.
- 80 Dolo, AA, mixed w/Anhy, AA

4880-81 Dolo, Lt Brn, Micro X, Dns w/scattered MX of Anhy in matrix
82 Dolo, AA but VFX
83 Anhy, AA mixed w/CX Dolo, Brn
84 Anhy, AA
85 Anhy, AA mixed w/Dolo, AA
86 Anhy, AA
87 Anhy, AA, mixed w/Micro X Dolo, AA
88 Dolo, Brn, Gray, Micro X-CX, Dns
89 Dolo, AA
90 Dolo, AA w/whi Anhy
91 Dolo, AA
92 Dolo, Tan, AA
93 Anhy, Dk Gray, Whi, Dns, VF-CX
94 Dolo, Dk Gray, Micro X w/CX scattered, Dns
95 Dolo, Dk Gray & Brn, Micro X-CX, Dns
96 Dolo, Gray-Brn, AA
97 Dolo, AA
98 Anhy, Gray-Whi, VCX, Dns
99 Anhy, AA
4900 Shale, Greenish gray, Dolo, slty
01 Shale, AA
02 Shale, AA
03 Shale, AA w/lamin of Dolo, Brn, Micro X
04 Dolo, Gray-Brn, Micro-VFX, clayey, slty



CORING AND DRILLING RECORD
AMERICAN COLDSET CORPORATION

(505) 397-1407
Hobbs, New Mexico 88240

(915) 683-1846
Midland, Texas 79701



AREA: Hobbs, N.M.

DATE: 5-15-77 19

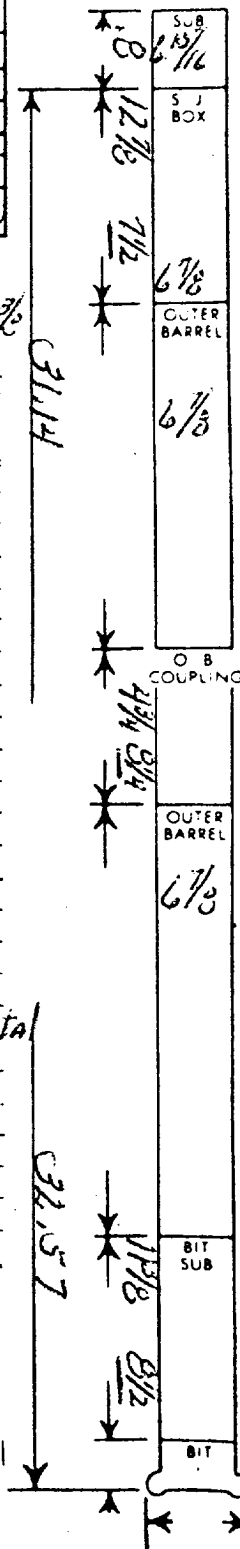
OPERATOR Read & Stevens WELL NO. #3 LEASE State "BG"
OPERATOR REP. Dan Lough FIELD Rural Queen
CONTRACTOR Lactus D-610 #61 COUNTY Lea STATE N.M.

BIT SIZE		BIT NUMBER	CORE OR RUN NO.	INTERVAL CORED/DRILLED		FEET CORED/DRILLED	FT. REC'D	% REC'D	HOURS ON BOTTOM	FT./HR.
O.D.	I.D.			FROM	TO					
7 13/16	4 1/4	12993	3	4844	4904	60			18 1/2	
MUD										
TYPE	W.C.	WT.	W/L	%SAND	%OIL	GELS	GPM	AVERAGE WEIGHT	AVER. R.P.M.	PRESSURE
Seamed	35	10 ²	19 ⁶			2/10	263	16/1000	65	1300 1050 252

DEPTH		TIME		MIN PER FOOT	FORMATION / REMARK	DEPTH		TIME		MIN PER FOOT	FORMATION / REMARK
FROM	TO	FROM	TO			FROM	TO	FROM	TO		
4844	4845	10:15	10:21	7	PM 5-15-77	4874	4875	6:20	6:40	20	5.45 X 6 X 2 3/8
	46		10:32	11			76		7:04	23	4 1/2 Reg Pin v
	47		10:43	11			77		7:14	10	4 1/2 FH Pin v
	48		10:54	11			78		7:32	18	
	49		11:09	15			79		7:54	22	Toro
	50		11:27	18			80		8:17	23	7.54 X 6 1/2 X 2 3/8
	51		11:43	16			81		8:34	17	4 1/2 Reg Pin v
	52		12:02	19	Pump & Screen		82		8:51	27	4 1/2 Reg Pin v
	53		12:57	20	Coiled 6' min		83		9:35	22	Coiled - 12 min
4854		1:08		11		4884		9:54		19	Sub
	55		1:25	17			85		10:15	21	7.54 X 6 1/2 X 2 3/8
	56		1:33	8			86		10:35	20	4 1/2 Reg Pin v
	57		1:41	8			87		10:55	20	5 1/2 Reg Pin v
	58		1:50	9			88		11:15	20	
	59		1:59	9			89		11:31	16	Core Barrel
	60		2:05	6			90		11:50	19	6.3.71
	61		2:13	8			91		12:08	18	.80
	62		2:26	13			92		12:25	17	1.52.75
	63		2:42	16			93		12:42	17	1.54.5
4864		2:57		15		4894		1:00		18	7.54
	65		3:17	20			95		1:20	20	7.15
	66		3:40	23			96		1:40	20	6.3.71
	67		3:58	18			97		2:10	20	7.3.610 Total
	68		4:20	22			98		2:24	14	
	69		4:38	18			99		2:45	21	
	70		4:59	21			4900		3:09	24	
	71		5:20	21			01		3:22	23	
	72		5:40	20			02		3:54	22	
	73		6:00	20			03		4:20	26	
4874		6:20		20		4904		7:48		20	

COMMENTS: 53 Spm String WT 102,000#
17 1/4 hrs Coring

W. Mitchell



George R. Reddy

Consulting Geologist

Bus. (505) 623-6233

Res. (505) 623-3767

200 West First Street
Roswell, New Mexico 88201

READ & STEVENS, INC.
No. 3 State BG

660' FNL & 1980' FEL Sec. 14, T 19S, R 24E
Lea County, New Mexico

Core No. 4 5110-5170

- 5110-11 Dolo, Gray, Micro X, Sdy, Dns, N.S.
- 12 Dolo, Gray, Micro X, Dns, N.S.
- 13 Dolo, VFX w/some CX, Gray, Dns, N.S.
- 14 Dolo, Gray, VFX w/some CX, Dns, N.S.
- 15 Dolo, AA
- 16 Dolo, Gray-Brn, AA
- 17 Dolo, Brn, VF-MX, Dns, Anhy
- 18 Dolo, Gray, VFX, Dns, V/Sdy w/VFG sd, A-SA
- 19 SS, Gray, VFG, well srted, SA-SR, Dolo cmt, appears tight, N.S.
- 20 SS, Gray, FG, well srted, SA-SR, Glauc, Dolo cmt, sli friable, appears tight and wet, N.S.
- 21 SS, Gray, AA, more friable, clean, N.S.
- 22 SS, AA
- 23 SS, AA
- 24 Dolo, Gray, VFX, Dns, w/lamin, SS, AA
- 25 SS, Gray, VFG, well srted, A-SA, tight, Dolo
- 26 Dolo, Gray, FX-MX, Dns, V/sdy, N.S.
- 27 Dolo, Brn, VFX-CX, Dns, N.S.
- 28 Dolo, Brnish gray, VFX, Dns, N.S.
- 29 Dolo, AA w/some CX, N.S.
- 30 Dolo, AA w/some CX, N.S.
- 31 Dolo, AA w/incr in CS
- 32 Dolo, Brnish gray, VFX, Dns, N.S.
- 33 Dolo, Gray, Micro X, V/sdy in part, Dns, N.S.
- 34 Dolo, AA
- 36 Dolo, AA, speckled w/dk gray carbonaceous spherules
- 37 SS, Gray, FG-VFG, Fair srtg, SR-SA, Dolo cmt, Tr oil stain, Yel Fluor on fresh breaks, core was bleeding oil from fractures
- 38 SS, AA, cleaner, incr staining and Fluor
- 39 SS, AA, cleaner, incr staining and Fluor
- 40 SS, AA, cleaner, incr staining and Fluor
- 41 SS, AA, tighter, stain, Fluor
- 42 SS, AA, tighter, stain, Fluor
- 43 SS, AA, much tighter, scattered stain & Fluor
- 44 SS, Gray, VFG, SA, Dolo cmt, scattered stain & Fluor, very tight

5144-45 Dolo, Gray, VFX, Dns, V/sdy, N.S.
46 SS, Gray, VFG, SA, Dolo cmt, Tight, N.S.
47 Dolo, Brn, VFX-CX, Dns, Sdy, N.S.
48 SS, Gray, FG, SR-R, Dolo cmt, N.S.
49 SS, AA
50 SS, AA
51 SS, AA w/more Dolo cmt, tight, N.S.
52 Dolo, Brnish gray, VFX, Dns, N.S.
53 SS, Gray, FG, SR-R, Dolo cmt, tight, N.S.
54 Dolo, Tan, VFX, Dns, N.S.
55 Dolo, AA
56 Dolo, Grayish tan, VF-CX, Dns, N.S.
57 Dolo, AA
58 Dolo, Gray, VFX, Dns, N.S.
59 Dolo, AA, sli sdy
60 SS, Gray, FG Clayey, SA-SR, tight, N.S.
61 Dolo, Lt gray, Micro X, Dns
62 Dolo, AA
63 Dolo, Gray, VFX, Dns
64 Dolo, AA
65 Dolo, AA
66 Dolo, AA
67 Dolo, AA
68 Dolo, AA
69 Dolo, AA
70 Dolo, AA



CORING AND DRILLING RECORD
AMERICAN COLDSET CORPORATION

(505) 397-1407
Hobbs, New Mexico 88240

(915) 683-1846
Midland, Texas 79701



AREA: Hobbs N.M.

DATE 5-18-19 19 77

OPERATOR Read + Stevens

WELL NO. 3 LEASE STATE "BG"

OPERATOR REP. DAN LOUGH

FIELD Quail Queen

CONTRACTOR Cactus Rig #66

COUNTY Lea STATE N.M.

BIT SIZE		BIT NUMBER	CORE OR RUN NO.	INTERVAL CORED/DRILLED		FEET CORED/DRILLED	FT. REC'D	% REC'D	HOURS ON BOTTOM	FT./HR.
O.D.	I.D.			FROM	TO					
7 1/2	4 1/4	12833	4	5110	5170	60			19 3/4	
MUD										
TYPE	VISC.	WT.	W/L	% SAND	% SOIL	GELS	GPM	AVERAGE WEIGHT	AVER. R.P.M.	PRESSURE
STARCH SEALED	35	10.2	19.8				260	18,000	65	ON BOTTOM 1700 OFF BOTTOM 950 DROP 250

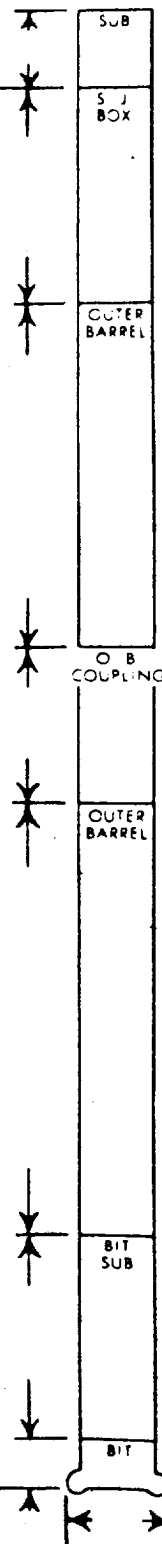
DEPTH		TIME		MIN PER FOOT	FORMATION / REMARK	DEPTH		TIME		MIN PER FOOT	FORMATION / REMARK
FROM	TO	FROM	TO			FROM	TO	FROM	TO		
5110	5111	2:10	2:37	27	8.000		5141		11:05	7	
	12		2:59	22			42		11:15	10	
	13		3:20	21	12.000		43		11:30	15	
	14		3:35	18			44		11:44	14	
	15		3:58	20	14.000		45		12:00	14	
	16		4:25	27			46		12:20	20	
	17		4:49	24	18.000		47		12:38	18	
	18		5:08	19			48		12:57	19	
	19		5:23	15			49		1:13	16	
	5120		5:34	11			5150		1:26	13	
	21		5:43	9			51		1:41	15	
	22		5:50	7			52		2:02	21	
	23		5:55	5			53		2:21	22	
	24		6:03	8			54		2:42	18	
	25		6:18	15			55		3:14	32	
	26		6:30	12			56		3:42	28	
	27		6:43	13			57		4:06	24	
	28		7:02	19			58		4:27	21	
	29		7:23	21			59		5:00	23	
	5130		7:39	16			5160		5:25	25	
	31		7:57	18			61		5:40	15	
	32		8:20	23			62		6:14	34	
	33		8:47	27			63		6:44	30	
	34		9:08	21	COAL. 15'		64		7:11	27	
	35		9:19	26			65		7:39	28	
	36		10:17	28			66		8:17	23	15 min DOWN
	37		10:35	18			67		8:42	25	
	38		10:43	8			68		9:03	21	
	39		10:50	7			69		9:26	23	
	5140		10:58	8			5170		9:46	20	

START LOGGING
2:10 PM 5-18-77

STOPPED LOGGING
9:46 AM 5-19-77

COMMENTS:

George Schmitter



George R. Reddy

Consulting Geologist

Bus. (505) 623-6233

Res. (505) 623-3767

200 West First Street
Roswell, New Mexico 88201

READ & STEVENS, INC.
No. 3 State BG

660' FNL & 1980' FEL Sec. 14, T 19S, R 24E
Lea County, New Mexico

Core No. 5 5170-5230

5170-71 SS, Gray, VFG, SR-SA, well srtd, Tight, Dolo cmt.
72 SS & Shale, Lamin
73 Dolo, Brn, FX, Dns, Sdy
74 SS, Gray, FG, A-SA, well srtd, fri, sli stain & Fluor,
good cut
75 SS, AA, A-SR, Show AA
76 SS, AA, Tighter, show decr.
77 SS, AA, Tighter, show decr.
78 SS, AA, clean, fria, sli stain, Fluor and good cut
79 SS, gray, VFG, SA-SR, Tight, Dolo cmt, N.S.
80 SS, AA
81 Dolo, Gray, VFX, sdy, Dns, lamin
82 Dolo, AA
83 Dolo, Tan, VFX, Dns, hrd
84 Dolo, AA
85 Dolo, AA
86 Dolo, lt gray, micro X, Dns
87 Dolo, Tan, VFX, Dns
88 Dolo, AA
89 Dolo, AA
90 Dolo, AA
91 Dolo, AA
92 Dolo, AA w/some CX
93 Dolo, Gray, Micro X, Dns
94 Dolo, AA but tan-gray
95 Dolo, AA
96 Dolo, gray, VFX, Dns
97 Dolo, Micro X, gray, AA
98 Dolo, AA
99 Dolo, AA
5200 Dolo, AA
01 Dolo, AA
02 Dolo, AA
03 Dolo, Brn, VFX, Dns
04 Dolo, Gray, VFX, Dns
05 Dolo, AA

5205-06 Dolo, Gray, VFX, Dns.
07 Dolo, AA
08 Dolo, AA
09 SS, Gray, VFG, A, Dolo Cmt, tight, N.S.
10 Dolo, Gray, VF-Micro X, Dns
11 Dolo, AA
12 Dolo, Brn-Gray, VF-Micro X, Sandy, Dns
13 Dolo, Gray, Micro-VFX, Dns
14 Dolo, AA, tan-gray
15 Dolo, Tan, AA
16 Dolo, AA
17 Dolo, AA
18 Dolo, AA
19 Dolo, AA
20 Dolo, AA
21 Dolo, AA
22 Sh, Dk gray, carbon, lamin w/ss, VFG, gray, Dolo cmt.
23 SS, Gray, FG, SA-SR, well srtd, Fria, clean, Tr stain,
Fluor, good cut
24 SS, AA, Tr of fluor and yield cut
25 SS, AA, Tr of fluor and yield cut
26 SS, AA, Tr of fluor and yield cut
27 SS, AA, Tr of fluor and yield cut
28 SS, AA, Tr of fluor and yield cut
29 No sample
30 No sample



CORING AND DRILLING RECORD
AMERICAN COLDSET CORPORATION
(505) 397-1407 (915) 683-1846
Hobbs, New Mexico 88240 Midland, Texas 79701



AREA: Hobbs N.M.

DATE 5-24-25 19 77

OPERATOR Read + Stevens

WELL NO. 3

LEASE STATE "BG"

OPERATOR REP. DAN Lough

FIELD Quail Queen

CONTRACTOR CACTUS Rig #66

COUNTY LEA

STATE N.M.

BIT SIZE		BIT NUMBER	CORE OR RUN NO.	INTERVAL CORED/DRILLED		FEET CORED/DRILLED	FT. REC'D	% REC'D	HOURS ON BOTTOM	FT./HR.
O.D.	I.D.			FROM	TO					
7 1/4	4 1/4		5	5170	5230	60			22 1/4	
MUD										
TYPE	VISC.	WT.	W/L	%SAND	%OIL	GELS	GPM	AVERAGE WEIGHT	AVER. R.P.M.	PRESSURE
STATION SEAMUD	45	10 1/2	7.2		6%		260	18.000	65	ON BOTTOM 1200 OFF BOTTOM 950 DROP 250

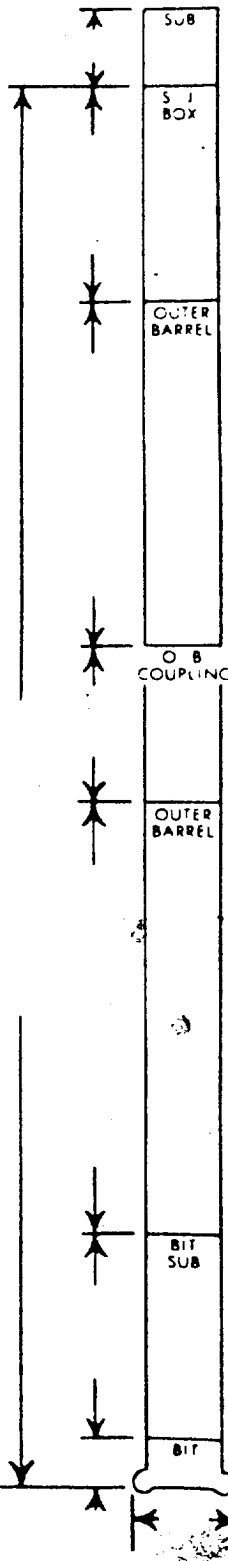
DEPTH		TIME		MIN PER FOOT	FORMATION / REMARK	DEPTH		TIME		MIN PER FOOT	FORMATION / REMARK
FROM	TO	FROM	TO			FROM	TO	FROM	TO		
5170	5171	8:05	8:23	18		5201	7:50	8:12	27		
	72	8:23	8:49	26			2	8:43	26		
	73	8:49	9:11	22			3	9:11	24		
	74		9:33	22			4	9:50	32	8min	SEAMUD
	75		9:50	17			5	10:25	35		
	76		10:00	10			6	10:55	30		
	77		10:08	8			7	11:24	29		
	78		10:20	12			8	11:45	21		
	79		10:29	9			9	12:05	20		
5180			10:39	10		5210		12:28	23		
	81		10:49	10			11	12:42	20		
	82		11:02	13			12	1:05	17		
	83		11:20	18			13	1:22	17		
	84		11:43	23			14	1:45	23		
	85		12:12	29			15	2:04	19		
	86		12:33	21			16	2:28	24		
	87		12:57	24			17	2:40	12		
	88		1:27	30			18	3:04	24		
	89		2:01	34			19	3:21	17		
5190			2:25	24		5220		3:32	11		
	91		2:51	26			21	3:52	20		
	92		3:12	31			22	4:14	32		
	93		3:52	30			23	4:26	12		
	94		4:22	30			24	4:49	23		
	95		4:50	28			25	4:54	5		
	96		5:25	35			26	5:15	21		
	97		6:00	35			27	5:44	29		
	98		6:37	37			28	6:16	32		
	99		7:17	40			29	6:49	33		
5200			7:50	33		5230		7:20	31		

START CORING
5:45 P.M. 5-24-77

STOPPED
7:20 P.M. 5-25-77

COMMENTS:

George Schlitten



George R. Reddy

Consulting Geologist

Bus. (505) 623-6233

Res. (505) 623-3767

200 West First Street

Roswell, New Mexico 88201

READ & STEVENS, INC.

No. 3 State BG

660' FNL & 1980' FEL Sec. 14, T 19S, R 24E
Lea County, New Mexico

Core No. 6 5268-5328

5268-69 SS, Gray, VFG, V/dolo
70 SS, AA
71 Dolo, tan, VFX, Dns
72 Dolo, Gray-tan, AA
73 Dolo, AA
74 Dolo, Gray, VFX, Dns
75 SS, Gray, VFG, A, v/Dolo, Clauc, N.S.
76 SS, AA, Glauc, N.S.
77 SS, AA, Glauc, N.S.
78 Dolo, Gray, VFX, Dns, Sdy
79 SS, Gray, FG, Clauc, well sorted, A-SR, N.S.
80 SS, Gray, FG, well srtd, A-SR, Friable, Glauc, Tr of
spotty Fluor, contam
81 SS, AA, cleaner, more friable, Tr spotty Fluor
82 SS, AA, cleaner, more friable, looks wet
83 SS, AA
84 SS, lt gray, VFG, A, well srtd, tight, Dolo cmt.
85 Dolo, Gray, VFX, V/sandy
86 Dolo, AA
87 Dolo, AA
88 SS, lt gray, VFG, A, well srtd, tight, Dolo cmt.
89 Dolo, AA
90 Dolo, AA, v/sdy
91 Dolo, AA
92 Dolo, AA
93 SS, AA
94 Dolo, AA
95 SS, Gray, FG, SR-SA, well srtd, Dolo cmt, Tight, N.S.
96 SS, Gray, VF-FG, SA, well srtd, more fria, Tight, NS
97 SS, AA, more Dolo
98 SS, AA
99 SS, AA
5300 SS, AA, FG, cleaner, N.S.
01 SS, AA, FG, cleaner, N.S.
02 Dolo, Gray, VFX, Dns
03 SS, Gray, FG, well srtd, tight, Dolo cmt
04 SS, AA
05 Dolo, Gray, VFX-Micro X, sli sdy, Dns, N.S.
06 Dolo, gray, VFX-Micro X, Dns, N.S.

5306-07 Dolo, Gray, VFX-Micro X, Dns
08 Dolo, AA
09 Dolo, AA, w/trace M-C x'lls
10 Dolo, Brn-Gray, VFX-MX, Dns
11 Dolo, AA
12 Dolo, Brnish gray, VFX-Micro X w/whi anhy
13 Dolo, AA
14 Dolo, AA w/anhy, AA
15 Dolo, AA
16 SS, lt Gray, VF-FG, SA-SR, Dolo cmt, N.S.
17 SS, AA, cleaner, N.S.
18 SS, AA, AA, N.S.
19 Dolo, Brnish gray, VF-MX, Dns, N.S.
20 Dolo, AA, VF-CX, some sdy areas
21 Dolo, Brn-Gray, Micro-VFX, Dns
22 Dolo, AA
23 Dolo, AA, Micro-CX, w/tr anhy
24 Dolo, AA, Micro-VFX, Dns
25 Dolo, AA
26 SS, Gray, VF-FG, SA-SR, Fair srtg, Dolo cmt, N.S.
27 Dolo, Dk brn, Micro X, Dns, sdy in part
28 ($\frac{1}{2}$ foot only) Dolo, Brn-tan, Micro-VFX, Dns, N.S.

CORING AND DRILLING RECORD

AMERICAN COLDSET CORPORATION

(505) 397-1407
Hobbs, New Mexico 88240

(915) 683-1846
Midland, Texas 79701

AREA: Hobbs N.M.

DATE 5-27 19 77

OPERATOR Read Stevens WELL NO. 3 LEASE STATE B G
OPERATOR REP. DAN Lough FIELD Quail Creek
CONTRACTOR C ACTUS RIG LLC COUNTY LEA STATE N.M.

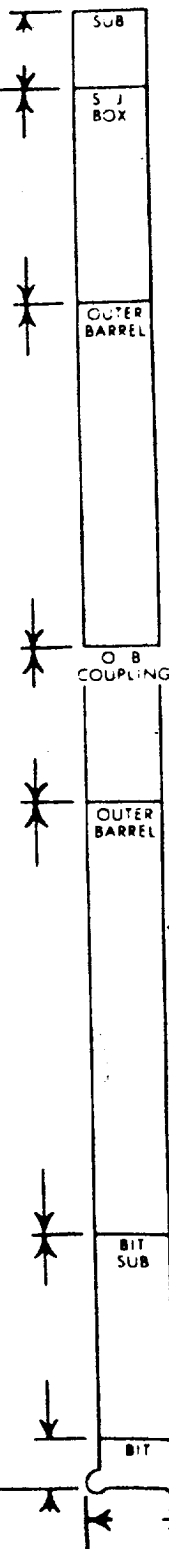
BIT SIZE		BIT NUMBER	CORE OR RUN NO.	INTERVAL CORED/DRILLED		FEET CORED/DRILLED	FT REC'D	% REC'D	HOURS ON BOTTOM	FT/HR
O.D.	I.D.			FROM	TO					
7 1/16	4 1/4	12933	6	5268	5328	60				
MUD										
TYPE	VISC.	WT.	W/L	%SAND	SOIL	GELS	GPM	AVERAGE WEIGHT	AVER R.P.M.	PRESSURE
STAYDOWN	45	9.9	8.8				260	16,000 18,000	65	1200 950 250

DEPTH		TIME		MIN PER FOOT	FORMATION / REMAR	DEPTH		TIME		MIN PER FOOT	FORMATION / REMAR
FROM	TO	FROM	TO			FROM	TO	FROM	TO		
5268	5269	5:50	6:11	21		5299	117	1:30	11		
	70	6:11	6:28	17		5300		1:45	15		
	71	6:28	6:43	15		1	1:45	1:53	8		
	72	6:43	6:58	15		2		2:03	10		
	73	6:58	7:21	21		3		2:19	16		
	74	7:21	7:45	25		4		2:42	22		
	75	7:45	8:09	24		5		3:10	28		
	76	8:09	8:21	12		6		3:37	27		
	77	8:21	8:35	14		7		4:07	30		
	78	8:35	8:53	22		8		4:31	24		
	79	8:53	9:05	12		9		4:55	24		
x	5280	9:05	9:09	4		5310		5:18	23		
	81	9:09	9:19	10		11		5:40	22		
	82	9:19	9:23	4		12		6:10	30		
	83	9:23	9:31	8		13		6:33	23		
	84	9:31	9:43	12		14		7:00	27		
	85	9:43	9:52	9		15		7:24	24		
	86	9:52	10:03	16		16		7:47	23		
	87	10:03	10:29	21		17		8:05	18		
	88	10:29	10:49	20		18		8:16	11		
	89	10:49	11:04	15		19		8:43	27		
x	5290	11:04	11:17	13		5320		9:10	27		
	91	11:17	11:30	13		21		9:57	30	17 ft/min	
	92	11:30	11:44	14		22		10:28	31		
	93	11:44	11:58	14		23		11:05	37		
	94	11:58	12:27	16	Conn 15 min	24		11:36	31	Conn & Pump	
	95	12:27	12:43	14		25		12:28	26		
	96	12:43	12:56	13		26		12:45	17		
	97	12:56	1:07	11		27		1:11	26		
	98	1:07	1:19	12		5328		1:43	32		

START CORING
5:50 AM. 5-27-77

COMMENTS:

by George Schlichter



George R. Reddy

Consulting Geologist

Bus. (505) 623-6233

Res. (505) 623-3767

200 West First Street
Roswell, New Mexico 88201

READ & STEVENS, INC.
No. 3 State BG

660' FNL & 1980' FEL Sec. 14, T 19S, R 34E
Lea County, New Mexico

Sidewall Cores

<u>Depth</u>	<u>Recovery</u>	<u>Description</u>
3618 $\frac{1}{2}$	NR	
3625	3/4"	SS, gray & red, VFG-FG, gray is clean, SR, Tr Fluor
3626	1"	SS, red, VFG, silty, argill, N.S.
3894 $\frac{1}{2}$	NR	
3900	1 "	Red shale & Dolo, buff, micro X, Tr stain, Fluor in Dolo.
3904	3/4"	AA
4576 $\frac{1}{2}$	$\frac{1}{4}$ "	SS, Gray, FG, SA, Calc, Tr oil stain & Fluor
4842 $\frac{1}{2}$	3/4"	SS, red, VFG-FG, SA-SR, N.S.
4843 $\frac{1}{2}$	NR	
5082 $\frac{1}{2}$	3/4"	SS, gray, VFG, SR, V/soft, Fluor
5084	NR	
5084 $\frac{1}{2}$	3/4"	SS, gray, VFG, SR, V/soft, N.S.
5107	3/4"	SS, gray, FG, SR, v/soft, oil stain & Fluor
5108	NR	
5109	NR	
5139	$\frac{1}{4}$ "	SS, Brn-Gray, VFG, SR, oil stain & Fluor
5139 $\frac{1}{4}$	3/4"	SS, AA
5174 $\frac{1}{4}$	NR	
5175 $\frac{1}{2}$	3/4" broken	SS, gray, VFG, argill, Tr stain & Fluor
5179	$\frac{1}{2}$ "	SS, gray, VFG, SR-SA, Tr Fluor
5227	$\frac{1}{2}$ "	SS, gray, VFG, SA-SR, clean, Tr oil stain & Fluor
5228	$\frac{1}{2}$ "	SS, gray, VFG, SR, clean, well srtd, Tr stain & Fluor
5229	3/4"	SS, gray, FG, SR-SA, clean, well srtd, Tr stain and Fluor
5342 $\frac{1}{2}$	3/4"	SS, gray, VFG, SA-SR, argill, N.S.
5343	$\frac{1}{2}$ "	SS, gray, VFG, SA-SR, argill, Tr stain & Fluor, looks tight
5375 $\frac{1}{2}$	NR	
5376 $\frac{1}{2}$	$\frac{1}{2}$ "	SS, lt gray, VFG, SR, well srtd, Dolo cmt, clean, N.S.

<u>Depth</u>	<u>Recovery</u>	<u>Description</u>
5377 $\frac{1}{2}$	$\frac{1}{2}$ "	SS, lt gray, VFG, SR, Well sorted, Dolo cmt N.S.
5433	$\frac{1}{2}$ " Broken	SS, gray, FG-VFG, SA-SR, clean, N.S.
5434	$\frac{3}{4}$ " broken	SS, gray, VFG, SR-SA, well sorted, Dolo cmt, clean, N.S.
5435	$\frac{1}{2}$ "	SS, gray, VFG, SR-SA, well sorted, Dolo cmt, N.S.
5436	$\frac{1}{2}$ "	SS, gray, VFG, SR-SA, well sorted, Dolo cmt, N.S.
4822	$\frac{1}{2}$ "	SS, gray, VFG, SR-SA, silty, Clayey, Tr oil stain & Fluor

RECEIVED

APR 1 1977

OIL CONSERVATION COMM.
HOBBS, N. M.