

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

PMB
2-18-72

COMPLETION DATA:

Date Well Completed

10-29-72

Location Inspected ..

~~V~~..... WW..... TA.....
W..... OS..... PA.....

Bond released

State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

HC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

WELL NO. SHELL-TENNECO-OMAN #1-4B4
API NO. 43-013-30108
SEC. 04, T. 02S, R. 04W
DUCHESNE COUNTY, UTAH

NOTES FROM COVER ON OLD WELL FILE:

APPROVED IN ACCORDANCE WITH THE ORDER ISSUED IN CAUSE NO. 139-3/139-4,
2-18-72. SD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

Patented

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

Oman

2. Name of Operator Shell Oil Company (Rocky Mountain Div. Production)

Tenneco Oil Company

9. Well No.

1-4B4

3. Address of Operator

1700 Broadway, Denver, Colorado 80202

10. Field and Pool, or Wildcat

Altamont

4. Location of Well (Report location clearly and in accordance with any State requirements.*)

At surface

1847' FNL and 1618' FEL

11. Sec., T., R., M., or Blk. and Survey or Area

SW/4 NE/4 Section 4-T 2S-R 4W

At proposed prod. zone

MESURIE

12. County or Parrish 13. State

Duchesne Utah

14. Distance in miles and direction from nearest town or post office*

2 1/2 miles SW of Altamont

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

300'*

16. No. of acres in lease

525.68

17. No. of acres assigned to this well

640

18. Distance from proposed* location to nearest well, drilling, completed, or applied for, on this lease, ft.

No other wells on lease

19. Proposed depth

14,000'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

6439 GL (Ungraded)

22. Approx. date work will start*

3-4-72

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement

*1618' from Section line

As per attached drilling prognosis and certified survey plat.

Conf

139-3/139-4 OK
6-24-71

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed *J.C. Howell* Title Division Operations Engineer Date February 16, 1972

(This space for Federal or State office use)

Permit No. 43-013-3010 Approval Date

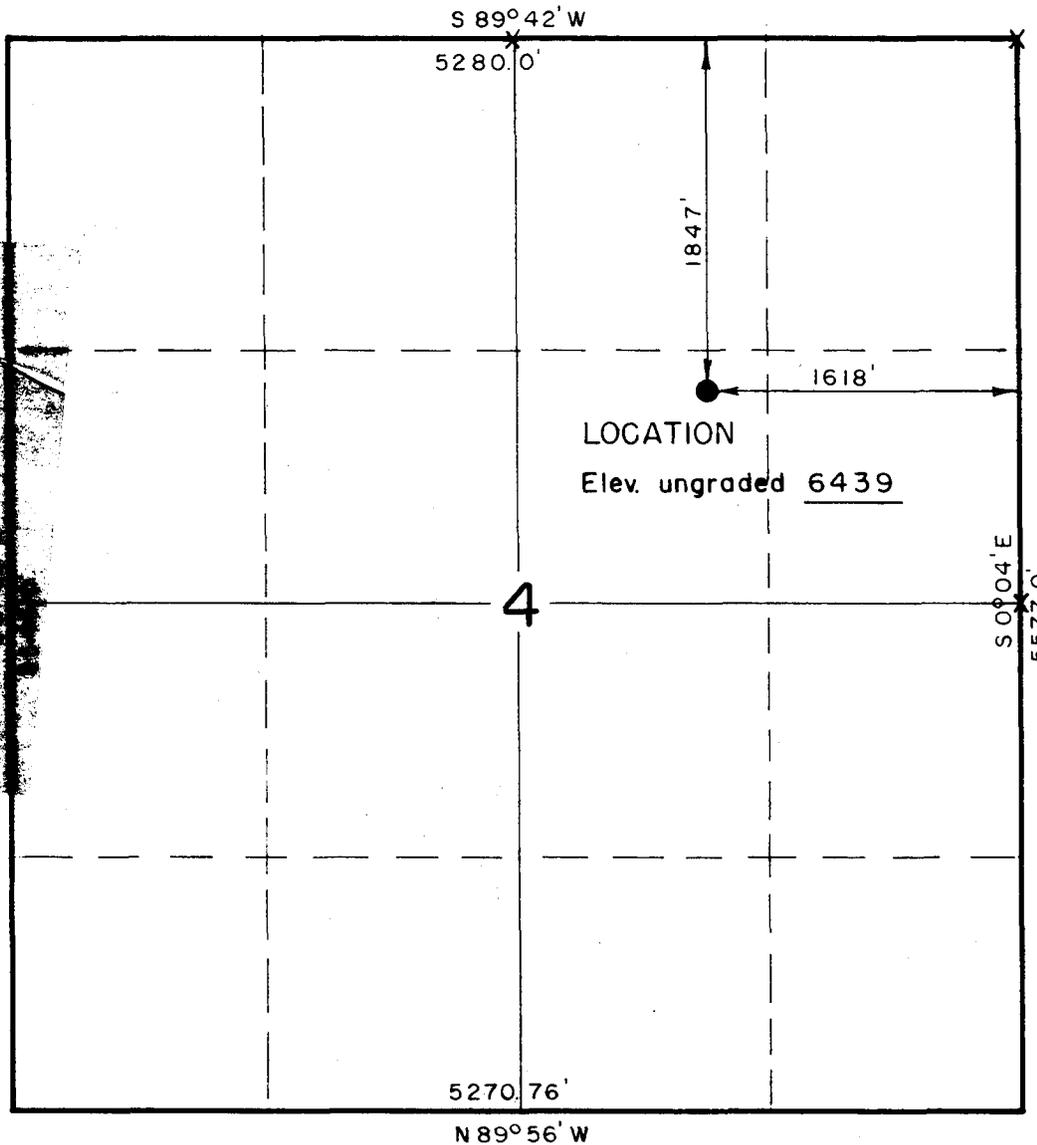
Approved by Title Date
Conditions of approval, if any:

T 2 S, R 4 W, USB & M

PROJECT

SHELL OIL COMPANY

WELL LOCATION AS SHOWN IN THE
SW 1/4, NE 1/4, SECTION 4, T 2 S, R 4 W,
USB & M. DUCHESNE COUNTY, UTAH.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Shirley J. Smith
REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

X = Corners Located

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 1 Dec. 1971
PARTY GS-RM-TH	REFERENCES GLO Township Plat
WEATHER Clear & Cold	FILE SHELL

February 18, 1972

Shell Oil Company
1700 Broadway
Denver, Colorado 80202

Re: Shell-Tenneco-Oman 1-4B4
Sec. 4, T. 2 S, R. 4 W,
Shell-Chevron-Hansen Trust
1-5B3
Sec. 5, T. 2 S, R. 3 W,
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the Order issued in Cause No. 139-3/139-4, dated June 24, 1971.

Please be advised that the following mud system monitoring equipment must be installed (with derrick floor indicators) and used throughout the period of drilling after setting and cementing the surface casing:

- (1) Recording mud pit level indicator to determine mud pit volume gains and losses. This indicator shall include a visual or audio warning device.
- (2) Mud volume measuring device for accurately determining mud volumes required to fill the hole on trips.
- (3) Mud return indicator to determine that returns essentially equal the pump discharge rate.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: (801) 328-5771

Shell Oil Company
February 18, 1972
Page Two

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation with regard to completing this form will be greatly appreciated.

The API numbers assigned to these wells are as follows:

Oman #1-4B4: 43-013-30108

Hansen Trust #1-5B3: 43-013-30109

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

BM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR Shell Oil Company (Rocky Mtn Div. Production)
Tenneco Oil Co.-Sabine Explor.-King Silver

3. ADDRESS OF OPERATOR
1700 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1847' FNL and 1618' FEL Sec 4
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
Patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Oman

9. WELL NO.
1-4B4

10. FIELD AND POOL, OR WILDCAT
Altamont

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SW/4 NE/4 Section 4-T 2S-R 4W

14. PERMIT NO. 43-013-30108 DATE ISSUED 2-18-72

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUNDED 3-12-72 16. DATE T.D. REACHED 8-14-72 17. DATE COMPL. (Ready to prod.) 10-29-72 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6431 GL, 6465 KB 19. ELEV. CASINGHEAD 33.6'

20. TOTAL DEPTH, MD & TVD 14,000 21. PLUG, BACK T.D., MD & TVD 13,998 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS Total CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Wasatch-No. Horn Transition perfs 11,931-13,942

25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN BHCS-GR w/cal, FDC-CNL, DIL-SP and PDC, CBL and VDL 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	68#	315'	17 1/2"	450 SX	0
9 5/8"	40#	5997'	12 1/4"	700 SX	0
7"	26#	11,923'	8 3/4"	680 SX	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5"	11,728	13,998'	360	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
As per attachments	

33.* PRODUCTION

DATE FIRST PRODUCTION 10-29-72 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-30-72	24	19/64"	→	1031	1604	8	1556

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
3500	0	→	1031	1604	8	43.4° API

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used on rigs, heaters, treaters and remainder flared. TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Well Log and History, Csg and Cmtg Details

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED K. L. Jordan TITLE Division Operations Engr. DATE Dec. 12, 1972

*(See Instructions and Spaces for Additional Data on Reverse Side)

Shell-Tenneco-Sabine
 Explor-King Silver
 Oman 1-4B4
 (D)
 14,000' Wasatch Test
 5" liner @ 13,998'

TD 14,000. PB 13,998. Prep to acdz. SITP 4400 psi.
 Made dummy run through top of liner, OK. Made two
 perf runs using 2" magnetic decentralized steel tube
 carrier gun w/JRC charges as follows: Run #1: 12,977,
 12,920, 12,914, 12,887, 12,877, 12,823, 12,791, 12,779,
 12,703, 12,650, 12,615, 12,607, 12,592, 12,563, 12,531,
 12,490, 12,173, 12,152, 12,148, 12,128, 12,105, 12,054,
 12,035, 12,021, 11,999, 11,985, 11,958, 11,941, 11,931
 w/press from 1300 psi to 2700 psi. Run #2: 13,942,
 13,855, 13,777, 13,750, 13,731, 13,724, 13,702, 13,668,
 13,646, 13,636, 13,599, 13,584, 13,565, 13,546, 13,539,
 13,520, 13,500, 13,420, 13,365, 13,270, 13,260, 13,187,
 13,178, 13,161, 13,111, 13,054, 13,041, 13,004 w/press
 from 3800 psi to 3950 psi. Could not get btm two shots.
 Perf'd one hole @ 13,942. (All perfs refer to CNL-FDC
 log) SEP 29 1972

Shell-Tenneco-Sabine
 Explor-King Silver
 Oman 1-4B4
 (D)
 14,000' Wasatch Test
 5" liner @ 13,998'

TD 14,000. PB 13,998.
9/30: Prep to flow well to pit. SITP 3650. MI&RU
 B-J. AT perfs 11,931-13,942. Pmpd 38,000 gal 15%
 HCl containing 20# G-5, 3 gal C-15, 3# G-7 and 3 gal
 J-22/1000 gal. Dropped seventy 7/8" ball sealers,
 evenly distributed throughout job. Flushed w/5300
 gal FW containing 169# NaCl and 20# G-5/1000 gal. Max
 press 10,000 psi, avg 8200 psi, min 7000 psi. Max rate
 11 B/M, avg 10.9 B/M, min 2 B/M. ISIP 4800 psi, decr
 to 4500 psi in 5 min, to 4300 psi in 10 min, to 4200
 psi in 15 min. Max of 2161 HP and avg of 1547 HP. Had
 fair ball action. Had 400 bbls - unable to get rate
 needed. Lost 4 pumps - two complete trucks during job.
10/1: SI for BHP. SITP 3650 psi. Opened well to pit.
 Flowed 60± bbls wtr on 64/64" chk w/950 psi TP. Well
 cleaned up and flowed at following chks and press's for
 15 min each:

Chk	TP	Chk	TP
64/64"	950	24/64"	3170
54/64"	1185	14/64"	4060
44/64"	1620	4/64"	4500
34/64"	2260	2/64"	4550

SI well. Pmpd 66 bbls diesel. Max press 4800 psi. SIP
 4320 psi. RU and ran in hole w/BHP.

10/2: SI for BHP. OCT 2 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D)
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,998. SI. OCT 3 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D)
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,998. Pulled BHP 10/3. Well SI.
(RDUFA) OCT 4 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D)
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,998. (RRD 10/4/72) OIL WELL COMPLETE.
On 13-hr test ending 7 AM 10/30, flowed 634 BO, 2 BW and
1633 MCF gas on 11/64" chk w/3800 psi FTP and 130 psi CP.
On 24-hr test ending 7 AM 10/31, flowed 1031 BO, 8 BW
and 1604 MCF gas on 19/64" chk w/3500 psi FTP and zero
CP from following Wasatch-North Horn Transition perfs:
11,931, 11,941, 11,958, 11,985, 11,999, 12,021, 12,035,
12,054, 12,105, 12,128, 12,148, 12,152, 12,173, 12,490,
12,531, 12,563, 12,592, 12,607, 12,615, 12,650, 12,703,
12,779, 12,791, 12,823, 12,877, 12,887, 12,914, 12,920,
12,977, 13,004, 13,041, 13,054, 13,111, 13,161, 13,178,
13,187, 13,260, 13,270, 13,365, 13,420, 13,500, 13,520.
13,539, 13,546, 13,565, 13,584, 13,599, 13,636, 13,646,
13,668, 13,702, 13,724, 13,731, 13,750, 13,777, 13,855.
13,942. Oil Gravity: 43.4° API @ 60°.

Test date: 10/30/72. Initial prod test: 10/29/72.

Elev: 6431 GL, 6465 KB

Log Tops: TGR-3	9,755 (-3290)
U. WASATCH TRANSITION	11,260 (-4795)
L. WASATCH TRANSITION	12,595 (-6130)
FLAGSTAFF	13,380 (-6915)
NORTH HORN TRANSITION	13,570 (-7105)

This was a routine development well.

FINAL REPORT. OCT 3 1 1972

DRILLING WELL PROGNOSIS

WELL NAME Shell-Tenneco et al Oman 1-4B4
 TYPE WELL Development
 FIELD/AREA Altamont

APPROX. LOCATION (SUBJECT TO SURVEY) NE 1/4 Section 4-T2S-R4W Duchesne County, Utah

EST. G. L. ELEVATION 6380 PROJECTED TD 14,000 OBJECTIVE Wasatch

HOLE SIZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
17 1/2	13 3/8	Boulder section +50' minimum	1°	300'	SAMPLES: 30' 300'-7,000' 10' 7,000'-TD
12 1/4	9 5/8	First 6000' to be drld by small rig & 9 5/8" csg set BHC/GR/AC/Cal 7000 DIL GR/SNP 2 man mud logging unit	4°	TGR-1 5480 (+920) 6,000'	CORES: -0- DST'S: -0- DEVIATION CONTROL Dogleg severity to be less than 1 1/2° per any 100' interval
8 5/8	7 5/8	BHC/AC/GR/Cal DIL GR/SNP 2 man mud logging unit	7°	TGR-3 9700 (-3300) Top Transition 11,225 (-4825) Top Red Bed 11,975 (-6075) 12,200'	CEMENT 13 3/8" csg - circulate Class "G", accelerate as req'd. See csg and cmt'g progs for other strings MUD 0 - 9,000' Water 9,000 - 12,000' Gel-Water 12,000'-TD Weighted gel water as required
6 1/2	5 1/2	BHC/AC/GR/Cal DIL GR/SNP 2 man mud logging unit	9°	Base Red Bed 12,475 (-6075) Lake Facies 13,500 (-7100) TD 14,000'	See mud program for details

ORIGINATOR: LAP DATE 2/16/72

ENGINEERING APPROVAL: _____

PETROLEUM: DWS

OPERATIONS: JRS JCH

OPERATIONS APPROVAL: _____

V. F. Furry

DIV. DRILLING SUPT.

DRILLING WELL PROGNOSIS

WELL NAME Shell-Tenneco et al Oman 1-4B4
 TYPE WELL Development
 FIELD/AREA Altamont

APPROX. LOCATION (SUBJECT TO SURVEY) NE 1/4 Section 4-T2S-R4W Duchesne County, Utah

EST. G. L. ELEVATION 6380 PROJECTED TD 14,000 OBJECTIVE Wasatch

HOLE SIZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
17 1/2	13 3/8	Boulder section +50' minimum	1°	300'	SAMPLES: 30' 300'-7,000' 10' 7,000'-TD CORES: -0- DST'S: -0- DEVIATION CONTROL Dogleg severity to be less than 1 1/2° per any 100' interval
12 1/4	9 5/8	First 6000' to be drld by small rig & 9 5/8" csg set ↑ BHC/GR/AC/Cal	0°	TGR-1 5480 (+920) 6,000'	
8 5/8	7 5/8	BHC/AC/GR/Cal DIL 7000 ↑ 2 man mud logging unit	7°	TGR-3 9700 (-3300) Top Transition 11,225 (-4825) Top Red Bed 11,975 (-6075) 12,200'	
6 1/2	5 1/2	BHC/AC/GR/Cal DIL GR/SNP 2 man mud logging unit	9°	Base Red Bed 12,475 (-6075) Lake Facies 13,500 (-7100) TD 14,000'	See mud program for details

ORIGINATOR: LAP DATE 2/16/72

ENGINEERING APPROVAL:
 PETROLEUM: DWS
 OPERATIONS: JRS JCH

OPERATIONS APPROVAL:
V. F. Furry
 DIV. DRILLING SUPT.

OIL WELL

ALTAMONT

SHELL OIL COMPANY-TENNECO-SABINE
EXPLOR-KING SILVER-

LEASE

OMAN

WELL NO.

1-4B4

DIVISION

ROCKY MOUNTAIN

ELEV

6465 KB

FROM: 3-19 - 10-31-72

COUNTY

DUCHESNE

STATE

UTAH

NOV 29 1972

UTAHALTAMONT

Shell-Tenneco-
King Silver-Sabine
Explor.-Oman 1-4B4
(D) Signal
14,000' Wasatch Test

"FR" MI&RU
Located 1847' FNL and 1618' FEL Section 4-T2S-R4W,
Duchesne County, Utah
Elev: 6439 GL (Ungraded)
14,000' Wasatch Test
Shell Working Interest - 52.07%
Drilling Contractor - Signal Drilling Co. MAR 9 1972
This is a routine Wasatch development test.

Shell-Tenneco-
King Silver-Sabine
Explor.-Oman 1-4B4
(D) Signal
14,000' Wasatch Test

RU. Cellar depth 6'. MAR 10 1972

Shell-Tenneco-
King Silver-Sabine
Explor.-Oman 1-4B4
(D) Signal
14,000' Wasatch Test

36/95/1/36.
3/11: Drilling rat hole.
3/12: Drilling rat hole. RU power swivel.
3/13: Drilling sfc hole. Finished drilling rat hole.
Spudded well 8 AM 3/12/72. MAR 13 1972

Shell-Tenneco-
King Silver-Sabine
Explor.-Oman 1-4B4
(D) Signal
14,000' Wasatch Test

55/95/2/19. Drilling. MAR 14 1972

Shell-Tenneco-
King Silver-Sabine
Explor.-Oman 1-4B4
(D) Signal
14,000' Wasatch Test

126/95/3/71. Drilling. Note: Went on daywork @
11:30 AM 3/14/72 per contract. MAR 15 1972
Mud: 9.7 x 55

Shell-Tenneco-
King Silver-Sabine
Explor.-Oman 1-4B4
(D) Signal
14,000' Wasatch Test
13 3/8" csg at 315'

315/95/4/189 Flanging up sfc csghd. Dev: 1/4° at 115',
3/4° at 315. Ran and cmt'd 8 jts (315') 68# Rg 3 Armco
ST&C 13 3/8" csg at 315' w/450 sx Class "G" cmt con-
taining 3% CaCl₂. Bumped plug w/500 psi. CIP @
9:45 PM.
Mud: 9.2 x 55 x 6 MAR 16 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Signal
14,000' Wasatch Test
13-3/8" csg @ 315'

315/95/5/0. Drilling mouse hole. Installed BOP's.
Mud: 9.0 x 50 MAR 17 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Signal
14,000' Wasatch Test
13-3/8" csg @ 315'

2055/95/8/1740.
3/18: Drilling. Dev: 1° @ 510'. Drld mouse hole.
Drld out baffle and cmt. MAR 20 1972
Mud: Wtr
3/19: Drilling. Dev: 1° @ 1010'.
Mud: Wtr
3/20: Drilling. Twisted off, leaving four DC's in
hole while drlg @ 1848. Fished for DC's.
Mud: Wtr

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Signal
14,000' Wasatch Test
13-3/8" csg @ 315'

2652/95/9/597. Drilling. Dev: 0° 30' @ 2100', 1° @
2600'. MAR 21 1972
Mud: Wtr

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Signal
14,000' Wasatch Test
13-3/8" csg @ 315'

2975/95/10/323. Tripping in hole w/DS. Changed bit.
Twisted off box on 5th DC down. Washed over sub.
Mud: Wtr MAR 22 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Signal
14,000' Wasatch Test
13 3/8" csg @ 315'

3420/95/11/425. Drilling.
Pulled out of hole w/fish and broke down. Tripped in
hole and washed 30' to btm. Repaired rotary clutch.
Mud: Wtr. MAR 23 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Signal
14,000' Wasatch Test
13-3/8" csg @ 315'

3885/95/12/465. Drilling. Dev: 1° @ 3451. Tripped
for new bit. Washed to btm. MAR 24 1972
Mud: Wtr

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Signal
14,000' Wasatch Test
13-3/8" csg @ 315"

3/25: 4205/95/13/320. Drilling. Dev: 1° @ 3738' and
1/2° @ 4062'. Cut 75' drlg line. Washed 30' to btm.
Mud: Wtr
3/26: 4497/95/14/292. Drilling.
Mud: Wtr
3/27: 4725/95/15/228. Drilling. Dev: 3/4° @ 4497'.
Reamed 70' to btm. MAR 27 1972
Mud: Wtr

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Signal
14,000' Wasatch Test
13-3/8" csg @ 315'

4905/95/16/180. Drilling. Repaired pump, desilter
and air lines, replacing 2 belts. Pulled 1 jet.
Washed to btm. Note: 2 hrs daywork due to reserve
full and unable to get necessary eqmt in time.
Mud: Wtr MAR 28 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Signal
14,000' Wasatch Test
13-3/8" csg @ 315'

5130/95/17/225. Drilling. Replaced pump belts.
Mud: Wtr. MAR 29 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Signal
14,000' Wasatch Test
13-3/8" csg @ 315'

5315/95/18/185. Drilling. Repaired desilter. Washed
to btm. MAR 30 1972
Mud: Wtr

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Signal
14,000' Wasatch Test
9-5/8" csg @ 5996'

3/31: 5660/95/19/345. Drilling
Mud: Wtr
4/1: 5944/95/20/286. Tripping for bit and monel.
4/2: 6000/95/21/54. Tripping. Laid down shock
sub. Picked up monel. Washed 150' circ hole. Changed
bit.
Mud: 8.7 x 48 x 2.9
4/3: 6000/95/22/0. Cmtg csg. Circ'd hole prior to
running csg - 2' fill on btm. Laid down DP and DC's.
Ran 149 jts 9-5/8" 40# K-55 and S00-95 L&ST&C csg to
5996. RU Dowell and circ to cmt. APR 3 1972
Mud: 8.7 x 48 x 29

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D)
14,000' Wasatch
9-5/8" csg @ 5997'

5997/95/23/0. MORT. Cmtd 9-5/8" csg w/250 sx Poz-mix containing 2% gel and 450 sx Class "G" containing 2% salt - retarded w/.2% D-13. Displaced cmt @ 7 B/M w/449 bbls wtr. Bumped plug @ 8:00 AM 4/3/72 w/2000 psi. Float held OK. 3 bbls bled back. SLC @ 6000' = 5997' KB. Correction to yesterday's report: Csg set @ 5997 KB instead of 5996 (rotary). Cleaned out cellar and straightened Bradenhead: Nippled down BOP's, set slips and cut csg. Installed AP spool and tested to 3000 psi, held OK. Cmt w/300 sx Class "G" containing 2% CaCl₂ in 13-3/8" x 9-5/8" annulus w/200 psi. Released rig @ 9:00 PM, 4/3/72. RDUFA. APR 4 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D)
14,000' Wasatch Test
9-5/8" csg @ 5997'

TD 5997. (RRD 4/4/72) Releasing Dowell rig. On 4/7, RU Dowell. Pumped 6 bbls wtr down 13-3/8" x 9-5/8" annulus. Mixed and pumped 50 sx Class "G" cmt containing 3% CaCl₂ w/press increasing to 1000 psi w/5 bbls slurry in annulus. Released Dowell. RDUFA.
APR 12 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

TD 5997. (RRD 4/12/72). Testing BOP's, kill lines and all high press lines. RURT. Installed 4" gas buster lines and kill line. MAY 1 6 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

TD 5997. Picking up DP. Repaired leaks in std pipe and tested lines. Installed and welded 4" discharge lines from gas buster. Picked up nine 7" DC's and 24 jts H.W. Now picking up 5" DP to run in hole w/mill tooth bit. MAY 1 7 1972
Mud: Wtr

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

6069/95/24/72. Making up BHA. Ran 5" DP, tagging cmt plug @ 6013. Tested csg w/2600 psi, held OK. Started drlg out @ noon, 5/17. MAY 1 8 1972
Mud: Wtr

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

6550/95/25/481. Drilling. Tripped for SLM - no correction. Removed DP rubbers on Grade "E" DP and washed to btm. MAY 1 9 1972
Mud: Wtr

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

5/20: 7230/95/26/680. Drilling.

Mud: Wtr

5/21: 7332/95/27/102. Fishing. DP torqued while drlg. Mixed and sptd high vis pill to flush out cuttings. Lost 1700 psi pump press. Chained out of hole, leaving BHA below monel in hole. Ran back in hole, screwing into fish and pulled same, leaving 3 cones from J-44 bit in hole. Started in hole w/8½" jk basket.

Mud: Wtr

5/22: 7388/95/28/56. Drilling. Ran Globe jk basket, reaming btm 50' of hole, cutting 1' of core. Rec'd 1 pc of cone and 3" of core. Ran mill tooth bit w/Reed boot basket above. Reamed 3 jts to btm, drlg on jk.

Mud: Wtr MAY 2 2 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

7487/95/29/99. Tripping. Tripped for new bit @ 7406'. CO jk sub and dressed stab. Washed and reamed from 7338-7400. MAY 2 3 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

7928/95/30/441. Drilling. Washed and reamed hole.
Mud: Wtr MAY 2 4 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

8209/95/31/281. Drilling. Dev: 2¼° S80W @ 7920. Pulled to change BHA. Washed and reamed hole.
Mud: Wtr MAY 2 5 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

8616/95/32/407. Drilling. Circ out oil and gas @ 8350. Well made approx 25-40 BO. Background gas: 280 units. MAY 2 6 1972
Mud: Wtr

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9 5/8" csg @ 5997'

5/27 8843/95/33/227. Drilling.
Checked well before making trip. Chgd 6-pt reamer.
Repaired oil line. Trip gas - 300 units, background - 150
units.

Mud: (.433) wtr
5/28 9357/95/34/514. Drilling.
Held BOP's. Background gas - 150 units

Mud: (.433) wtr
5/29 10,030/95/34/673. Drilling.
Prep to mud up. Held BOP's. Background gas - 300 units
Mud: wtr

5/30 10,307/95/36/277. Drilling.
Mudded up. Circ & cond mud. Held BOP's.
Background gas - 250 units
Mud: (.495) 9.1 x 35 x 8.5 MAY 30 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9 5/8" csg @ 5997'

10,556/95/37/249. Drilling
Background gas - 250 units MAY 31 1972
Connection gas - 350 units
Mud: 9.2 x 38 x 11

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9 5/8" csg @ 5997'

10,589/95/38/33. Going in hole. Dev: 1° 45'S 27W.
Set mud wt to 9.6. Began losing returns at 10,589.
Mixed LCM pill (160 bbls). Kwikseal 10.5#/bbl,
mica 17.1#/bbl and pheno-seal 20#/bbl. Total pounds/bbl -
48#. Pulled out of hole and hole took 172.5 bbls -
75 calc bbls. Tested BOP's, chk, gas buster, lines,
Kelly and std pipe. Lost 333 bbls mud.
Mud: 9.6 x 38 x 9.5 JUN 1 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9 5/8" csg @ 5997'

10,682/95/39/93. Mixing Kwik seal pill 45#/bbl. Broke
out circ at 6,000' - 8,500'. Circreamed, and washed
last 80' hole. Lost 43 bbls mud at 10,550 feet.
Checked mud in hole (hole began taking mud at faster
rate at 10,682' w/10# mud). Lost 100 bbls mud. Added
128 sx LCM (Kwik seal) while drilling from 10,550-10,682.
JUN 2 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9 5/8" csg @ 5997'

6/3: 10,730/95/40/48. Drilling.
Sptd 80 bbl LCM pill and pulled 3 stds. Waited 3 hrs to
heal. Started back to btm and circ at low rate w/full
returns. Began drlg ahead and had slight loss of circ.
Mixed 100 bbl LCM slug and pmpd in hole. Lost 75 bbls mud
in 24 hrs. 15 units background gas. JUN 5 1972
Mud: (.540) 10.4 x 42 x 8 (LCM 11%)

6/4: 10,763/95/41/33. Drilling.
Drd to 10,732 and lost one quarter returns.
Mixed and sptd LCM pill. Lost approx 100 bbls mud.
Mud: 10.5 x 42 x 10.0 (LCM 3%)

6/5: 10,850/95/42/87. Drilling.
Checked well for flow. Lost approx 150 bbls mud while increasing
mud wt to 10.5. Well dead w/pmp off. Had no gas-cut mud.
Background gas - 5 units.
Mud: (.525) 10.7 x 40 x 7.1 (LCM 5%).

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

10,933/95/43/83. Pulling plugged bit. Circ and checked
drlg breaks @ 10,871, 10,910 and 10,928 - no change.
Bit plugged while down to oil rig; worked plug loose.
Bit plugged again while checking for flow @ 10,927'.
Circ and mixed slug. JUN 6 1972
Mud: (gradient .540) 10.8 x 43 x 10 (6% LCM)

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

10,969/95/44/36. Drilling. Dev: 1 1/2° SIN @ 10,933'.
Broke circ @ btm of csg and 8500', and circ 3/4 hrs
@ TD. Finished trip for new bit. JUN 7 1972
Mud: (gradient .576) 10.9 x 38 x 10 (4% LCM)

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,120/95/45/151. Drilling. Checked for flow. Back-
ground gas: 20-30 units. JUN 8 1972
Mud: (gradient .573) 11.0 x 42 x 8 (2% LCM)

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,234/95/46/114. Drilling. Circ btms up @ 11,144 w/
420 max units gas. Cut mud from 11.0 ppg to 10.8 ppg.
Checked for flow. Lost 40 bbls mud while drlg from
11,148-11,168 - added 2 lb/bbl LCM. Background gas: 70
Units. Connection gas: 250 units. JUN 9 1972
Mud: (gradient .531) 11.2 x 42 x 9.0

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

6/10: 11,263/95/47/29. Adding LCM @ 11,263. Circ btms up and dropped survey. Dev: 1° 45' S1E @ 11,261'. Tripped for new bit and broke circ @ 6000' and 9000'. Washed and reamed from 11,210-11,261. Started losing partial returns: Circ w/slow pump; adding LCM. Lost 68 bbls mud. Background gas: 30 units. Trip gas: 1000 units.

Mud: (gradient .589) 11.3 x 41 x 10 (4% LCM)

6/11: 11,269/95/48/6. Reaming to btm. Circ GCM @ 11,266, Raised mud wt to 11.4 ppg. Circ down-time gas (hot wire saturated). Raised mud wt to 11.5 ppg. Lost partial returns. Mixed LCM pill (150 bbls @ 40#/bbl). Pulled 10 stds and let soak. Started reaming back to btm. Lost 926 bbls mud.

Mud: (gradient .601) 11.5 x 42 x 9 (6% LCM)

6/12: 11,300/95/49/31. Drilling. Circ and cond mud 4 hrs. Had full circ while on btm. Drld 6" and started losing partial returns - approx 20%. Continued drlg and added LCM until full returns rec. Lost 270 bbls mud last 24 hrs. Background gas: 25 units.

Mud: (gradient .601) 11.5 x 41 x 8 (13% LCM) JUN 12 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,301/95/50/1. Spotting LCM pill. Checked for flow and circ btms up before tripping for new bit. Pulled slowly up to shoe. Tested BOP rams to 5000 psi and Hydril to 3000 psi, held OK. Started losing returns 24 stds in hole. Broke circ @ 5300', 7500', 9000' and 10,900', w/returns last 5 stds in hole - circ w/partial returns. Lost 600 bbls mud last 24 hrs.

Mud: (gradient .601) 11.5 x 40 x 8.5 JUN 13 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,301/95/51/0. Staging to btm. Finished sptg LCM pill. Ran 5 stds in hole, swbg. Let LCM pill soak. Circ w/partial returns @ 10,800 w/2000 units gas in btms up. Mixed and sptd 2nd LCM pill and let soak @ 10,800. Pulled 5 stds to 10,300'. Circ w/slow pump @ 10,300, incr pump slowly. Started staging back to btm - now @ 11,200'.

Mud: (gradient .601) 11.5 x 38 x 8.0 (4% LCM) JUN 14 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,319/95/52/18. Mixing LCM pill. Finished washing and reaming to btm. Circ and cond mud, cutting mud wt from 11.5 to 11.4 ppg. Drld w/2/3 pump press w/35,000# & 55 RPM best combination. Started losing partial returns @ 11,318 while drlg at apparent fracture. Lost 120 bbls mud. Background gas: 25 units.

Mud: (gradient .559) 11.4 x 39 x 8 (6% LCM) JUN 15 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,337/95/53/18. Making up BHA. Sptd LCM pill - let soak 2 hrs. Circ btms up prior to tripping for new bit @ 11,337'. Checked for flow. Slugged pipe and pulled out of hole slowly.

Mud: 11.4 x 38 x 9 (8% LCM) JUN 16 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

6/17: 11,361/95/54/24. Drilling. Ran in hole w/new bit, breaking circ @ 6000', 8000', 9300' and 10,400'. Washed 185', reamed 11' to btm. Lost 80 bbls mud while drlg.

Mud: (gradient .588) 11.4 x 39 x 8.0 (3% LCM)

6/18: 11,419/95/55/58. Drilling. Lost partial returns while drlg @ 11,379. Mixed and sptd LCM pill across open hole. Reamed w/full returns. Lost approx 60 bbls mud last 24 hrs. Background gas: 18 units.

Mud: (gradient .598) 11.4 x 38 x 8.0 (8% LCM)

6/19: 11,502/95/56/83. Drilling. Worked pipe 1½ hrs, washing ball off bit and stabs. No mud loss. Background gas: 15 units.

Mud: (gradient .598) 11.4 x 38 x 8.0 (8% LCM) JUN 19 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,542/95/57/40. Breaking down fishing tools. Made 15 std wiper trip @ 11,519. While drlg on btm, Kelly Hydril safety valve broke in two, leaving top of fish 51' below rotary. Ran 8-1/8" overshot w/6-5/8" grapple.

Pulled 240,000 gross wt and overshot pulled loose - overshot defective. Ran 8-1/8" Bowen overshot w/6-3/4" grapple and engaged fish. Attempted to run Dia-log backoff - could not get below fish. Unable to make manual backoff. Pulled overshot above rotary. Background gas: 7 units. No mud loss.

Mud: (gradient .598) 11.4 x 38 x 10.8 (3% LCM) JUN 20 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,542/95/58/6. Drilling. Pulled overshot above rotary and removed from fish. Circ and chained out of hole. Had 3 cracked jts of Grade "E" DP above HW DP. Gauged and magnafluxed all DC's, safety valves and Kelly subs. Tripped back in hole, breaking circ @ 6000', 8500' and 10,500'. No mud loss. Background gas: 60 units. Max gas: 450 units.

Mud: (gradient .598) 11.4 x 38 x 8.0 (2% LCM)

JUN 21 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,660/95/59/118. Drilling. Circ drlg break @ 11,562 w/no change. No mud loss last 24 hrs. Background gas: 15 units.

Mud: (gradient .598) 11.4 x 38 x 8.0 (3% LCM) JUN 22 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,690/95/60/30. Drilling. Dev: 1° 15' @ 11,690'. Pmpd pill, tripped in w/new bit and broke circ @ 5800', 8500' and 9500'. No mud loss.

Mud: (gradient .592) 11.4 x 38 x 8 (2% LCM)

JUN 23 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

6/24: 11,793/95/61/103. Drilling. Background gas:
7 units. Connection gas: 40 units.

Mud: (gradient .590) 11.4 x 38 x 8 (2% LCM)

6/25: 11,827/95/62/34. Drilling. Circ hole and
sptd pill. Tripped for new bit @ 11,794 and broke
circ @ 5800, 8500 and 9500. No mud loss. Background
gas: 6 units. Trip gas: 2500 units.

Mud: (gradient .590) 11.4 x 37 x 7.5 (1% LCM)

6/26: 11,886/95/63/59. Mixing LCM. Lost circ while
drlg. Mixed and sptd LCM. Pulled 5 stds. Lost approx
500 bbls mud. Background gas: 8 units.

Mud: (gradient .593) 11.4 x 43 x 12.0 (25% LCM) JUN 26 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,925/95/64/39. Tripping out to log. Ran 5 stds
and drld 9½ hrs. Circ and cond mud. Pulled 20 stds.
Broke circ 10 stds in, circ and cond mud. Gas peaked
@ 1900 units, then remained @ 800 units for 30 min.

Mud: (gradient .593) 11.4 x 42 x 6.8 (20% LCM) JUN 27 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,925/95/65/0. Running in hole. RU Schl and ran
BHCS-GR w/cal, DIL, CNL/FDC logs. RD Schl. JUN 28 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
9-5/8" csg @ 5997'

11,925/95/66/0. Laying down 5" DP. Dev: 1° 30' @
11,925'. Ran in hole breaking circ @ 6000', 8000',
9000', 9700' and 10,700'. Circ and cond mud 4 hrs.
Lost 56 bbls mud. Gas as follows:

Depth	Units Gas
9,000'	260
9,700'	400
10,000'	1000
Bottom	1200

JUN 29 1972

Mud: (gradient .593) 11.4 x 42 x 8 (12% LCM)

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

11,925/95/67/0. Prep to pick up BOP and set slips.
Changed pipe rams to 7". Ran 279 jts (11,933.06')
7" 26# S-95 LT&C csg and cmtd w/235 sx Hal Lite w/
0.5% CFR-2 followed by 445 sx Class "G" w/1% CFR-2.
Preceded by 5 bbls wtr. Used top and btm plug.
Displaced w/452 bbls mud. Shoe @ 11,923'. FC @
11,789'. Bumped plug w/1300 psi, float held OK. CIP
@ 2:37 AM, 6/30. Nippled down BOP's. JUN 30 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

7/1: 11,925/95/68/0. Picking up 3½" DP. Cut off
csg. Installed and tested 7" AP spool. Nipped up
and tested BOP's.

7/2: 11,925/95/69/0. Drlg cmt. Circ and cond mud
wt to 11.6 ppg. Press tested csg to 2500 psi. Top
of cmt @ 11,747'.

Mud: (gradient .601) 11.6 x 23 x 8

7/3: 11,950/95/70/25. Drilling. Drld cmt, float
and shoe from 11,810-11,924. Tripped for new bit @
11,938. Picked up jk sub and near bit stab. No mud
loss last 24 hrs. No background gas. JUL 3 1972

Mud: (gradient .601) 11.6 x 40 x 8.0

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

7/4: 11,983/95/71/33. Drilling. Tripped to change
bit @ 11,959.

Mud: 11.8 x 42 x 8.0

7/5: 12,049/95/72/66. Drilling. No mud loss or
background gas last 24 hrs. JUL 5 1972

Mud: (gradient .630) 12.1 x 42 x 8.0

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

12,105/95/73/56. Drilling. Made 14 stand short trip
to install DP rubbers. Rec excess amt of steel in
cuttings. No mud loss last 24 hrs. No background gas.

Mud: (gradient .624) 12.2 x 43 x 8.0 JUL 6 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

12,159/95/74/54. Installing DP rubbers on 3½".
Pulled up 8000' and installing DP rubbers on every
other jt.

Mud: (.630) 12.4 x 43 x 8.0 JUL 7 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

7/8: 12,173/95/75/14. Removing wear sleeve from BOP stack. Realigned BOP stack. Installed DP rubbers. Slugged pipe, pulled 11 stds DP - stripping all DP rubbers off pipe. Opened lower rams and fished out rubbers from BOP stack. Circ and worked pipe, pulling wear sleeve loose.

Mud: (gradient .650) 12.5 x 42 x 7.0

7/9: 12,173/95/76/0. Drlg on jk and DP rubbers. Pulled out of hole and cleaned DP rubbers out of BOP stack. Set test plug and tested 3½" rams to 5000 psi, chk and kill lines to 5000 psi and Hydril to 3000 psi. Ran cup type csg tester and tested 60' of 7" csg to 2200 psi. Ran wear bushing and realigned BOP's. Ran in to 6000' and broke circ. Removed shim from A-frame on derrick. Finished running in hole.

Mud: (gradient .655) 12.6 x 42 x 6.0

7/10: 12,195/95/77/22. Drilling. Drl'd on jk 3½ hrs. Circ trip gas and worked jk into jk basket. Started out of hole to change bits. Pipe stuck 103' off btm @ 12,076'; worked pipe loose. Circ out after freeing stuck pipe. Ran in w/new bit and washed and reamed from 11,966 to TD. Mud: (gradient .655) 12.6 x 41 x 7.5 JUL 10 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

12,254/95/78/59. Drilling. Made 4 std short trip. Background gas: 3 units. Short trip gas: 5 units. Mud: 12.8 x 41 x 7 JUL 11 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

12,313/95/79/59. Drilling. No mud loss last 24 hrs. Background gas: 3 units. Mud: (gradient .699) 13.1 x 42 x 8 JUL 12 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

12,336/95/80/23. Pulling out of hole. Made short trip to inspect DP rubbers, OK. Circ and slugged pipe. Tripped and pulled wear ring, inspecting same. Washed hole, trying to pick up jk in jk basket. Note: Jk in hole from pipe rubbers left in hole. No mud loss last 24 hrs. Mud: (gradient .699) 13.2 x 41 x 8 JUL 13 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

12,336/95/81/0. WO smaller x-over sub. Ran Dia-log
csg caliper. Csg wore into seal ring to 6' below
seal ring. Made up Hal ret BP @ 2986'. Picked up
BOP stack and visually inspected csg. Ran spear and
tools - could not get spear into csg far enough due to
larger OD x-over sub on top spear. Broke out sub and
WO smaller sub. JUL 14 1972
Mud: (gradient .690) 13.2 x 60 x 8

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

7/15: 12,336/95/82/0. Circ on top of BP @ 2986. Made
up csg spear, string shot and backed off csg. Ran Dia-
log string shot and collar locator to back off csg @ 115'
below rotary. Welder cut x-bushing out of AP spool
before pulling csg. Csg backed off @ 549'. Ran 9 jts
7" 26# S-95 LT&C (384.94') and 2 jts 7" 29# P=110 LT&C
(95') csg and screwed into csg @ 549'. Press tested to
3600 psi for 1 hr, held OK. Set csg slips w/270,000#.
Cut off csg. Nippled up BOP's and tested BOP's and
lines. Ran ret tool and circ on top of plug @ 2986'.
Mud: (gradient .690) 13.2 x 41 x 8

7/16: 12,349/95/83/13. Slugging pipe for trip to pick
up dia bit. Circ and latched onto BP. Pulled out of
hole slowly w/BP. Tripped in w/BHA, breaking circ @
7000, 9500 and 10,700. Aligned derrick over hole and
circ and cond mud. Removed 5-3/4" pipe rubbers and
replaced w/5-1/4" rubbers. Reamed and washed last 30',
trying to pick up jk.

Mud: (gradient .690) 13.2 x 41 x 8

7/17: 12,362/95/84/13. Pulling out of hole to run dia
bit. Circ and slugged pipe. Laid down 16- 4-3/4" DC's,
15 jts Grade "G" pipe. Picked up 33 jts 3 1/2" HW DP and
ran in hole, breaking circ @ btm of csg. Washed last
30' to btm. Attempted to pick up jk. Drld 6-3/4 hrs
and attempted to pick up jk. Note: Picked up more jk
on bit #22 than on bit #21. Background gas: 2 units.
Trip gas: 850 units.

Mud: (gradient .690) 13.2 x 39 x 8 JUL 17 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

12,433/95/85/71. Drilling. Finished tripping out
of hole. Ran to btm of csg and circ. Washed last
30'. No mud loss or background gas last 24 hrs.
Dev: 1/2° @ 12,362.
Mud: (gradient .710) 13.7 x 43 x 8 JUL 18 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

12,538/95/86/105. Drilling.
Mud: (gradient .735) 14.1 x 43 x 8.0 JUL 19 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

12,621/95/87/83. Drilling.
Mud: 14.4 x 46 x 8.0 JUL 2 0 1972

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

12,662/95/88/41. Drilling. Tripped for new bit @
12,650. Installed Hoggie wear sleeve and 2000' of
DP rubbers.
Mud: 14.8 x 48 x 8.0 JUL 2 1 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

7/22: 12,736/95/89/74. Drilling.
Mud: 14.8 x 48 x 8.0
7/23: 12,817/95/90/81. Drilling. Lost 75 bbls mud @
12,791' (14.9 ppg). JUL 2 4 1972
Mud: (gradient .780) 15.0 x 46 x 6.0
7/24: 12,881/95/91/64. Going in hole w/new bit.
Mud: (gradient .780) 15.0+ x 46 x 6.5

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

12,954/95/92/73. Drilling. Finished trip in hole w/
new bit. Washed 41' to btm. Lost 110 bbls 15.1 ppg
mud @ 12,920 (slow loss over 6 hrs).
Mud: (gradient .780) 15.1 x 45 x 7.0 JUL 2 5 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

13,047/95/93/93. Drilling. Lost 62 bbls mud last
24 hrs. Background gas: 3 units. Connection gas:
7 units. JUL 2 6 1972
Mud: 15.1 x 44 x 7

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

13,135/95/94/88. Drilling. Lost 117 bbls mud slowly
last 24 hrs. Built 60 bbls mud.
Mud: (gradient .785) 15.1 x 46 x 5.5 JUL 2 7 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

13,202/95/95/67. Drilling. Made short trip. Lost
57 bbls mud last 24 hrs. Background gas: 3 units.
Mud: (gradient .785) 15.1 x 44 x 4.6 JUL 28 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

7/29: 13,235/95/96/33. Drilling. Circ hole 2-3/4 hrs.
Changed out btm two stabs. Cleaned pipe rubbers from
flow line. Lost 77 bbls mud last 24 hrs. Background
gas: 2 units. Trip gas: 110 units.

Mud: (gradient .790) 15.2 x 49 x 4.4

7/30: 13,316/95/97/81. Drilling. Drlg break @ 13,241.
Cut mud from 15.2 ppg to 14.7 ppg. Lost partial returns.
Circ and cond mud. Hole taking mud - building mud w/pump
off. Hole tight. Picked up reamer and work pipe. Lost
132 bbls mud last 24 hrs. Background gas: 2 units.
Connection gas: 90 units.

Mud: (gradient .790) 15.2 x 47 x 4.2

7/31: 13,413/95/98/97. Drilling. Drlg break @ 13,372.
Cut mud from 15.3 ppg to 14.7 ppg for approx 20 min.
Lost partial returns for 14 hrs. Lost 156 bbls mud.
Background gas: 10 units. Connection gas: 290 units.

Mud: (gradient .794) 15.3 x 48 x 4 JUL 31 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

13,519/95/99/106. Drilling. Lost 121 bbls mud.
Background gas: 4 units. Connection gas: 50 units.
Mud: (gradient .794) 15.3 x 46 x 5 AUG 1 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

13,591/95/100/72. Building vol. Elec working on
centrifugal pump - now circulating. Made 19-std short
trip, circ out 320 units gas for 30 min. Drlg break @
13,568. Lost partial returns @ 13,591. Lost 135 bbls
mud last 24 hrs. Connection gas: 6 units.
Mud: 15.4 x 46 x 4.5 AUG 2 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

13,624/95/101/33. Letting LCM pill soak. Finished
building vol. Circ w/partial returns and worked pipe-
tight hole. Drl'd 2½ hrs w/partial returns. Worked
pipe and tried to make connection. Drl'd 6 hrs w/partial
returns, then lost complete returns @ 13,624. Mixed and
sptd LCM pill. Pulled into csg 21 stds. Hole took 87
bbls last 5 hrs. Keeping annulus full. Background gas:
5 units. Connection gas: 65 units. AUG 3 1972
Mud: (gradient .795) 15.4 x 48 x 3.5

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

13,624/95/102/0. Circ @ 8000' open ended. Let hole head 3 hrs; keeping annulus full. Built vol and circ 1½ hrs. Built vol and circ 2½ hrs. Pulled out of hole slowly w/hole taking 206 bbls. Ran in hole open ended to 4000', breaking circ. Staged in hole to 6000' and 8000'. Lost 950 bbls mud on 8/2 and 848 bbls on 8/3. Now circ w/full returns @ 8000'. AUG 4 1972
Mud: (gradient .795) 15.3 x 48

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

8/5: 13,624/95/103/0. Soaking LCM pill - keeping annulus full. Staged in hole to 11,803 and built vol. Circ and cut mud wt from 15.3 to 15.2 ppg, losing returns w/15.2 ppg mud going in hole - returns 14.8 ppg. Mixed LCM pill and cond mud in pits to 15.2 ppg. Ran in hole, hitting bridge @ 12,050. Washed through bridge and sptd LCM pill. Pulled 30 stds slowly. Lost 350 bbls mud last 24 hrs.
Mud: 15.2 x 47 x 6.2

8/6: 13,624/95/104/0. Circ @ 6000'. Let LCM pill soak. Circ and cond mud @ 10,648 and incr pump to full std pipe press. Ran in hole to 11,924; circ and cond mud and incr press to full std pipe press. Slugged pipe. Tested BOP's and all lines to 5000 psi. Ran BHA to 6000' and circ. Lost 20 bbls mud last 24 hrs.
Mud: 15.2 x 48

8/7: 13,645/95/105/21. Circ thru chk. Staged in hole w/DP, breaking circ @ 6000', 8000' and 10,000'. Washed thru bridge from 13,207-237 and washed 60' to btm. Had drlg break from 13,642-645. Mud vol incr 20 bbls. SI well w/100 psi on DP w/press incr to 300 psi. Zero press on annulus. Lost 280 bbls mud last 24 hrs. AUG 7 1972
Mud: 15.2 x 48 x 6.2 (15% LCM)

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

13,692/95/106/47. Drilling. Circ well on chk for 5½ hrs.
Mud: 15.1 x 53 x 6.4 (20% LCM) AUG 8 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

13,740/95/107/48. Drilling. SI well 5½ hrs. Gained fluid - unable to maintain mud wt. Raised mud to 15.3 ppg. Gained 250± bbls mud last 24 hrs. Lost 75 bbls mud in PM and AM tours.
Mud: 15.3 x 68 x 6.8 (20% LCM) AUG 9 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

13,814/95/108/74. WO fishing tools. Twisted off
Hydril safety valve below kelly in service jt.
Mud: 15.3 x 57 x 6.8 AUG 10 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

13,814/95/109/0. Circ and cond mud. Ran magnet and
rec "guts" out of Hyd valve. Screwed into fish w/taper
tap and backed off fish @ 435'. Rec twisted off Hyd valve
and screwed back into fish. Picked fish off btm - well
flowed 47 bbls while fishing. Circ on chk and circ out
GC and oil contaminated mud. Cut mud wt to 13.8 ppg.
Mud: (gradient .794) 15.3 x 47 x 6.6 (4% oil) AUG 11 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

8/12: 13,817/95/110/3. Drilling. Circ and cond mud
3½ hrs. Made 23 std short trip. Had 140 units gas.
Circ and cond mud add'1 3½ hrs. Tripped and made
magnetic inspection. No mud loss past 24 hrs. Background
gas: 8 units. Trip gas: 140 units.
Mud: (gradient .794) 15.3 x 49 x 6.8 (3% oil)

8/13: 13,890/95/111/73. Drilling w/slow pump. Circ
and mixed LCM. Started losing mud @ 13,890' - 40% returns.
Background gas: 7 units. Connection gas: 65 units. Lost
350 bbls mud.

Mud: 15.3 x 51 x 6.6 (4% LCM) (2% oil)

8/14: 13,958/95/112/68. Drilling. Lost 110 bbls mud.
Background gas: 2 units. Connection gas: 85 units.
Mud: 15.3+ x 47 x 6.2 (4% LCM) (2% oil) AUG 14 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

14,000/95/113/42. Pulling out of hole to log. Circ
btms up. Made 23 std short trip. Circ and cond mud
6½ hrs. Slugged hole - hole gave back 95 bbls mud last
24 hrs. Background gas: 3 units. AUG 15 1972
Mud: (gradient .794) 15.3 x 56 x 6.4 (3% LCM) (2% oil)

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

14,000/95/114/0. Circ and cond mud @ 10,000'. Finished
pulling out of hole. RU Schl and ran logs as follows:
BHCS-GR w/cal, FDC-CNL and DIL-SP from 14,000-11,923.
Ran in hole w/BHA to 6000' and circ out, ran to 8000'
and circ out. Ran to 10,000'. Background gas: 1 unit.
No mud loss. AUG 16 1972
Mud: 15.3 x 54 (3% LCM) (2% oil)

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

14,000/95/115/0'. Running 5" liner. Staged in hole and
cond mud. Laid down HW DP. RU and started running 5"
liner. No mud loss last 24 hrs. AUG 17 1972
Mud: 15.3 x 50 x 5.6 (3% LCM) (2% oil)

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
7" csg @ 11,923'

14,000/95/116/0. Attempting to push centralizer
down hole @ 12,067'. Ran 5" liner w/liner stopping
@ 11,237. Attempted to work liner down w/o success.
Pulled slowly out of hole w/liner, finding centralizer
around liner hanger - left two cent. in hole. Ran in
hole to shoe @ 11,923 w/BHA, 15 jts HW DP and jars
and circ out 500 units gas. Cut mud to 14.9 ppg. Ran
in hole to 12,050 and found cent. AUG 18 1972
Mud: 15.3 x 50 x 5.6 (2% LCM) (2% oil)

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
5" liner @ 13,998'

8/19: 14,000/95/117/0. Reaming and pushing jk to btm.
Attempted to push jk down hole @ 12,067. Ran mill and
BHA to 12,067 and milled on jk, pushing down hole to
13,000'. Circ out 52 units gas. Ran to 13,692, finding
jk. Reamed and pushed jk down hole. Lost 15 bbls mud
last 24 hrs.

Mud: 15.3 x 52 x 6.0 (1% LCM) (1% oil)

8/20: 14,000/95/118/0. Circ liner @ 14,000'. Circ and
cond mud 2½ hrs to run liner. Slugged hole, ran SLM and
laid down HW DP. Ran 11 jts of liner and float eqmt -
not holding. Pulled liner and float. Ran back in hole
slowly w/liner.

8/21: 14,000/95/119/0. PBD 13,829. Circ and cond
cmt mud @ 11,266. Circ and cond mud before cmtz liner.
With top of liner hanger @ 11,728 and shoe @ 13,998',
cmtd liner w/360 sx Class "G" cmt mixed w/30% silica
flour, 1.5% D-31 and 0.7% R-5 (slurry 15.3 ppg). Yield
1.57 cu ft/sk. Displaced cmt. WOC. Ran in hole w/BHA,
hitting cmt stringers @ 10,773. CO soft to hd cmt to
11,266.

Mud: 15.3 x 65 x 6.4 (1% oil) AUG 21 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000/95/120/0. PB 13,829. Tripping in hole w/
4-1/8" bit. CO cmt from 11,266-11,733 and circ clean.
AUG 22 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
5" liner @ 13,998'

14,000/95/121/0. PB 13,990. Circ out cmt. Tripped into liner top and DO pkg assembly @ 11,736. Tagged top FC @ 13,831 and DO 5" liner to 13,990.
Mud: 15.3 x 64 x 8.0 AUG 23 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
5" liner @ 13,998'

14,000/95/122/0. PB 13,990. Circ and cond mud @ 11,588'. Circ hole clean. Tested csg to 800 psi - would not hold. Ran RTTS to 11,759 and tested 5" liner w/800 psi, OK. Tested 7" csg and lap to 800 psi - would not hold. Pumped away 2 B/M @ 800 psi. Ran 7" RTTS. Circ and cond mud @ 11,588, prep to sqz lap. AUG 24 1972
Mud: 15.3 x 71

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Parker #118
14,000' Wasatch Test
5" liner @ 13,998'

14,000/95/122/0. PB 13,990. Running 6-1/8" bit to CO cmt. With RTTS @ 11,489, tested annulus to 800 psi for 10 min, OK. Broke down 2 B/M @ 1000 psi through lap. With 10 bbls ahead, sqzd 200 sx w/1% D-31 (vol 41 bbls) (slurry 15.7 ppg) sqzd w/81 bbls mud. Final press 1500 psi. CIP @ 12:50 PM. Pulled dry. WOC 12 hrs. AUG 25 1972
Mud: 15.3 x 51

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D)
14,000' Wasatch Test
5" liner @ 13,998'

8/26: 14,000/95/123/0. PB 13,990. Ran in hole, tagging cmt @ 11,590. DO to top of liner @ 11,733. Tested 7" csg lap to 800 psi for 10 min, OK. Circ hole clean. Ran RTTS to 11,686. Tested csg per prognosis.

8/27: 14,000/95/124/0. PB 13,990. Prep to nipple down BOP. Finished testing 7" csg. Pulled RTTS and laid down same. Circ hole. Laid down 3 1/2" DP and 2-7/8" tbg.

8/28: 14,000/95/125/0. PB 13,990. RD&MORT. Cleaned BOP stack and cellar. Nippled down BOP's. Installed tbg hanger, BP valve and tree. Released rig @ 12 midnight, 8/27/72. (RDUFA). AUG 28 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Western Oilwell
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,990. (RRD 8/28/72). Running tbg. MI&RU Western Oilwell Service 9/14. Ran in hole w/ 4-1/8" bit, picking up singles, breaking collars and doping w/Baker seal. SEP 15 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Western Oilwell
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,998.

9/16: Circ out mud w/FW. Ran in hole w/4-1/8" bit and 7" scraper to top of liner @ 11,728. RU power sub and drld out 10' of cmt to top of liner. Press tested to 800 psi w/15.3 ppg mud, OK. Finished picking up singles, breaking collars and doping w/Baker seal, breaking circ every 15 jts. Ran to 13,998. Pmpd 5 bbl-gel plug. Displaced 15.3 ppg mud w/FW. SEP 18 1972

9/17: Logging. Finished displacing mud w/FW. Sptd 60 bbls 2% NaCl on btm of hole. Press tested csg to 4000 psi. Press dropped to 500 psi in 15 min. Inflow tested for 1 hr - no flow. Pmpd into well @ 1 B/M @ 3000 psi, w/press dropping to 500 psi in 10 min. Checked 9-5/8" - press 500 psi. Pmpd on 7" x 9-5/8" annulus - press came up to 7" press. Bled 9-5/8" annulus down. Pmpd on 7" annulus and circ. Pmpd in 3-bbl gel plug, getting gel returns out of 9-5/8". Hanger would not pack off. Checked hanger, finding hole below slips and press seal. Pulled bit and scraper. Laid down 90 jts tbg. RU OWP. Ran PDC, CBL and VDL logs under 500 psi, logging from 13,887-9000'. Top of cmt @ 9260.

9/18: WO csg jacks. Finished logging. Ran 26# ret BP - would not go through hanger. Ran another ret BP (29#) to 10,000', setting same and pulling out of hole. SEP 18 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Western Oilwell
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,998. WO repairs for csg jack. WO jacks. MI&RU Utah-Colo Csg Pullers. Removed BOP's and csg hanger. RU jacks and ran 90' of 3 1/2" DP w/csg spear. Picked up csg and slips - had 4' of stretch @ 370,000#. Cut off 2 1/2' of csg - csg looked good. Attempted to install new slips w/o success. Set down csg and moved jacks. Attempted to pick up csg - jack craterd. SEP 19 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Western Oilwell
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,998. WO csg jacks. SEP 20 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Western Oilwell
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,998. Going in hole to set pkr. RU Utah-Colo Csg Pullers and ran in hole w/60' of 3 1/2" DP. Pulled csg up, set slips w/250,000# strain. RD Utah-Colo Csg Pullers. Nipped up. Ran in hole to retrieve BP. Press tested to 4000 psi, OK. Pulled out of hole w/tbg and BP. RU McC to run Baker Model "D" pkr. SEP 21 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D) Western Oilwell
14,000' Wasatch Test
5" liner at 13,998'

TD 14,000. PB 13,998. Running 2 7/8" tbg.
Set Bkr Model "D" prod pkr at 11,200 (McC). Pulled
out of hole. RD McC. RU to run 5 1/2" heat string.
Ran 146 jts 5 1/2" 14# K-55 ST&C w/turned down collars
landed at 4458'. Installed backpress valve. Removed
BOP's. Installed 10" 5,000# x 6" 5,000# tbg spool.
Installed BOP's. Removed backpress valve. Tested
BOP's to 4,000 psi, ok. SEP 2 2 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D)
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,998.
9/23: Nippling up. Ran prod eqmt as follows: 180 jts
2-7/8" EUE 8rd tbg, Camco mandrel w/dummy @ 5570, 179
jts 2-7/8" tbg, Camco mandrel w/dummy @ 11,090, 3 jts
2-7/8" tbg, one 6' x 2-7/8" sub, Baker on-off seal
connector, Baker anchor seal assembly, one 10' x 2-7/8"
10rd prod tube and knockout plug holder w/plug in place.
Tested tbg to 7500 psi while going in hole. Latched
into pkr. Unjayed from on-off tool. Displaced FW w/
inhib. wtr. Displaced tbg w/2% NaCl. Latched back on
and landed w/2000 psi set-down wt.

9/24: Knocking out plug. Tested tbg to 7500 psi
for 1 hr, OK. Installed BP valve, removed BOP,
installed 10,000 psi Xmas tree and removed BP valve.
Tested tree to 10,500 psi, OK. RD&MO Western Oilwell
Service.

9/25: Prep to perf. RU Archer-Reed. Knocked out
plug @ 11,210. RD Archer-Reed. SEP 2 5 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D)
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,998. Prep to perf. SEP 2 6 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D)
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,998. Prep to perf. SEP 2 7 1972

Shell-Tenneco-Sabine
Explor-King Silver
Oman 1-4B4
(D)
14,000' Wasatch Test
5" liner @ 13,998'

TD 14,000. PB 13,998. Going in hole w/fishing tools
to check liner top. MI&RU OWP on 9/27. Ran 2" steel
tube carrier gun to 5" liner top - would not go. Pulled
up - gun stuck. Pulled out of rope socket and out of
hole. RU fishing tools and jars, latching onto fish.
Jarred up and pulled out of hole w/fish and laid down
same. Side of gun had marks and scratches. SEP 2 8 1972

CASING OR LINER CEMENT JOB

Lease Oman Well Oman 1-4B4 Date 3-15-72
 Size Casing 13 3/8" Setting Depth 315' Top (liner hanger) _____
 Hole Size 17 1/2" " Mud Gradient _____ Viscosity 55

Casing Equipment

Centralizer 6' above shoe, and every 3 its ~~box~~ ^{baffle} located 40 feet
 above shoe, _____ DV collars located at _____ feet
 and _____ feet.

_____ centralizers located _____

 _____ scratchers located _____

Liner hanger and pack off (describe) _____

Miscellaneous (baskets, etc.) _____

Cement (around shoe) (Signal Drilling #2 - 11' KB to GL

	No. Sacks	Brand	Type	Additives	Slurry Weight	Slurry Volume
(1)	<u>450</u>		<u>"G"</u>	<u>3% CaCl₂</u>	<u>15.2#</u>	<u>513 CF</u>
(2)	<u>12 bbls cmt returns at sfc</u>					

Cement through DV Collar at _____ feet

	No. Sacks	Brand	Type	Additives	Slurry Weight	Slurry Volume
(3)	_____	_____	_____	_____	_____	_____
(4)	_____	_____	_____	_____	_____	_____

CASING AND CEMENTING

FIELD ALTAMONT WELL OMAN 1-4B4 KB TO CHF 14'

Shoe jt started in hole 8:30 PM 4-2-72

Ran 149 jts K-55 SOO-95 40# LT&C & ST&C 9 5/8" to 5,997'

<u>JTS</u>	<u>WT</u>	<u>GRADE</u>	<u>ST&C LT&C</u>	<u>NEW</u>	<u>FEET</u>	<u>FROM</u>	<u>TO</u>
139	40#	K-55	ST&C	X	5619.62	KB	5611.80
8	40#	SOO-95	LT&C	X	305.17	5611.80	5916.97
		HOWCO Diff Fill Float Collar			2.20	5916.97	5919.17
2	40#	SOO-95	LT&C	X	75.13	5919.17	5994.30
		HOWCO Diff Fill Float Shoe			2.70	5994.30	5997.00

149 jts (6004.82') Total

Thread locked (Howco) Diff Fill Collar at 5919
 (Howco) Diff Fill Float Shoe at 5997

No. Make & Type

4 B & W centralizers spaced 6' from shoe, 40' from float collar, 155' from float collar, and 268' from float collar.

Cementing

Broke circ 4:45 AM w/400 psi. Reciprocated and circ 105 min. With 10 bbls water ahead, cemented through shoe at 5997' w/250 sx 1:1 poz, 2% gel, and 450 sx Class "G" containing 2% salt retarded w/.2% D-13. Wt - 14.4-15.8#/gal. Mixing complete in 25 min. Press - Max 400. Plug down 8 AM 4/3/72. Press - Max 750. Press to 2,000 psi on plug in 2 min. Bled back bbls. Displaced cem w/449 bbls water at 7 B/M. Float held ok.

BOB HORN

CASING AND CEMENTING

FIELD ALTAMONT WELL OMAN 1-4B4 KB TO CHF 33.60'

Shoe jt started in hole 2:30 PM 6-29-72

Ran 279 jts 26# S-95 LT&C 26# 7" csg at 11,923'

<u>JTS</u>	<u>WT</u>	<u>GRADE</u>	<u>ST&C LT&C</u>	<u>NEW</u>	<u>FEET</u>	<u>FROM</u>	<u>TO</u>
279	26#	S-95	LT&C	R-2	11,923	KB	11,923

279 jts (11,933.06') Total

Float collar at 11,789'

Guide Shoe at 11,923'

No. Make & Type

3 Hal centralizers spaced 6' from guide shoe, 44' from guide shoe, and 87' from guide shoe

Cementing

Broke circ 12 PM w/500 psi. Reciprocated and circ 60 min w/approx 85% returns. Hal pumped 5 bbls water ahead, then released btm plug. Mixed and pumped 235 sx (12.4 ppg) Hal lite wt cem w/.5% CFR-2 followed by 445 sx Class "G", 1% CFR-2 (15.8 ppg). Released top plug. Mixing complete in 20 min. Displaced w/10 bbls wtr and 442 bbls mud. Press - Max 800, min - 800, avg - 800. Plug down 2:37 AM 6-30-72. Press to 1300 psi, float hedl ok. Had returns throughout mixing and displacement. Set slips w/250,000# wt.

DALE P. MORNEAU

CASING AND CEMENTING

FIELD ALTAMONT WELL OMAN 1-4B4 KB TO CHF

Shoe jt started in hole 4:30 PM 8-19-72

Ran 54 jts SFJ 18# 5" liner to 13,998'

<u>JTS</u>	<u>WT</u>	<u>GRADE</u>	<u>SFJ</u>	<u>NEW</u>	<u>FEET</u>	<u>FROM</u>	<u>TO</u>
	18#	Diff Fill Shoe (Rerun)	X	X	2.30	13,998.00	13,995.70
3	18#	S00-95	X (Hyd)	X	121.50	13,995.70	13,874.20
	18#	Diff Fill Float Collar (Rerun)	X	X	1.70	13,874.20	13,872.50
1	18#	S00-95	X (Hyd)	X	41.68	13,872.50	13,830.82
	18#	Diff Fill Float Collar	X	X	1.70	13,830.82	13,829.12
21	18#	S00-95	X	X	842.82	13,829.12	12,986.30
29	18#	N-80	X	X	1250.24	12,986.30	11,736.06
		Burns Hanger			7.50	11,736.06	11,728.56

54 jts (2269.44') Total

Hall Diff Collar at 13,829

Hall Diff Collar at 13,872

Hall Diff Shoe at 13,998

No. Make and Type

3 B & W centralizers spaced 6' from shoe, 43' from shoe and 84' from shoe

Cementing

Broke circ 7 AM w/1200 psi. Reciprocated and circ 93 min. With 325 bbls water ahead, cemented through shoe at 13,998' w/360 sx Class "G" cem, 30% silica flour, 1.5% D-31 and .7% R-5. Wt - 15.3#/gal. Yield - 1.5 CF/sx. Displaced cement. Min press - 30. Plug down 10:57 AM 8-20-72. Press - Max 3100, min 1200, avg - 1700. Press to 2,000 psi. Bled back 3/4 bbl.

C. R. KILLEN

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Shell Oil Company</p> <p>3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80290</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1847' FNL & 1618' FEL Section 4.</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Patented</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Oman</p> <p>9. WELL NO. 1-4B4</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA SW/4 NE/4 Section 4-T2S-R4W</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6465 KB</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Repl subsb1 pmp</u> <input checked="" type="checkbox"/>	

(Other) Repl subsb1 pmp

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: March 25, 1977

BY: P. H. Ansell
See attachment



18. I hereby certify that the foregoing is true and correct

SIGNED P. P. Flaherty TITLE Div. Oper. Engr. DATE MAR 18 1977

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

cc: Utah USGS

REPL SUBMSBL PUMP

SHELL-TENNECO-SABINE EXPLOR-
KING SILVER
FROM: 2/28 - 3/14/77

LEASE	OMAN	WELL NO.	ALTAMONT 1-4B4
DIVISION	WESTERN	ELEV	6465 KB
COUNTY	DUCHESNE	STATE	UTAH

UTAH

ALTAMONT

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Repl submsbl pmp)

"FR" TD 14,000. PB 13,998. Lse exp provides funds to pull & repl submsbl pmp. 2/25 MI&RU WOW #19. Removed WH equip & installed hyd BOP's. Pmp'd 600 BW down csg & pulled 2 jts 2-7/8 tbg. Pmp cable would not POOH w/tbg. MI&RU HOT to heat wtr to 200 deg. 2/26 Pulled 50 stds tbg, BJ pmp & cable. Made up Bkr ret'g tool for on-off tool & RIH w/135 stds tbg.
FEB 28 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Repl submsbl pmp)

TD 14,000. PB 13,998. Engaged on-off seal connector. Unlatched from Mdl D pkr & circ'd hole. POOH w/latch-in seal assy & on-off tool. PU 20 jts 2-3/8 tbg & SD for night.
MAR 01 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Repl submsbl pmp)

TD 14,000. PB 13,998. Fin'd run'g 2-3/8 tbg. Ran 2-7/8 tbg. Pmp'd 2500 gals 15% HCl down tbg foll'd by 64 bbls prod wtr. Worked tbg up & down 1 hr & pulled 6000' tbg. SD for night.
MAR 02 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Repl submsbl pmp)

TD 14,000. PB 13,998. Pulled 2-7/8 tbg & pulled & LD 2-3/8 tbg. RIH w/redressed seal assy & on-off connector. Latched into pkr & released on-off tool. POOH & LD 2000' 2-7/8 tbg. Pulled 5000' tbg & SD for night.
MAR 03 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Repl submsbl pmp)

TD 14,000. PB 13,998. Fin'd pulling 2-7/8 tbg. RIH w/new BJ pmp & 5000' tbg. SD for night.
MAR 04 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Repl submsbl pmp)

TD 14,000. PB 13,998. 3/4 Set BJ pmp @ 9097'. Installed prod WH. Released WOW #19 3/4. Turned well over to prod. 3/5 On 24-hr test, prod 229 BO, 775 BW & 230 MCF gas.
MAR 07 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Repl submsbl pmp)

TD 14,000. PB 13,998. On 24-hr test 3/6, prod 410 BO, 633 BW, 360 MCF gas w/100 psi.
MAR 08 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Repl submsbl pmp)

TD 14,000. PB 13,998. On 24-hr test, prod 431 BO, 397 BW, 450 MCF gas w/100 psi.
MAR 09 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Repl submsbl pmp)

TD 14,000. PB 13,998. On 24-hr test, prod 451 BO, 400
BW, 485 MCF gas w/100 psi.

MAR 10 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Repl submsbl pmp)

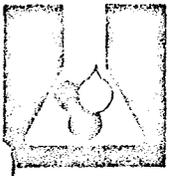
TD 14,000. PB 13,998. On 24-hr test, prod 411 BO, 510 BW,
335 MCF gas w/100 psi.

MAR 11 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Repl submsbl pmp)

TD 14,000. PB 13,998. Prior to work, well was off prod
w/broken cable. On 24-hr test 3/10/77 after work, prod
426 BO, 400 BW, 355 MCF gas w/100 psi.
FINAL REPORT

MAR 14 1977



LITE RESEARCH LABORATORIES

P.O. Box 119

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY NUMBER W-1823
 SAMPLE TAKEN _____
 SAMPLE RECEIVED 2-4-75
 RESULTS REPORTED 2-13-75

SAMPLE DESCRIPTION _____ FIELD NO. _____
 COMPANY Shell Oil Company LEASE _____ WELL NO. 1-4 B4
 FIELD _____ COUNTY _____ STATE _____ SEC 4 - 28 - 4W
 SAMPLE TAKEN FROM _____
 PRODUCING FORMATION Wasatch TOP _____
 REMARKS _____

SAMPLE TAKEN BY _____

CHEMICAL AND PHYSICAL PROPERTIES

SPECIFIC GRAVITY @60/60° F. 1.0044 pH 8.77 RES. 0.97 OHM METERS @ 77° F

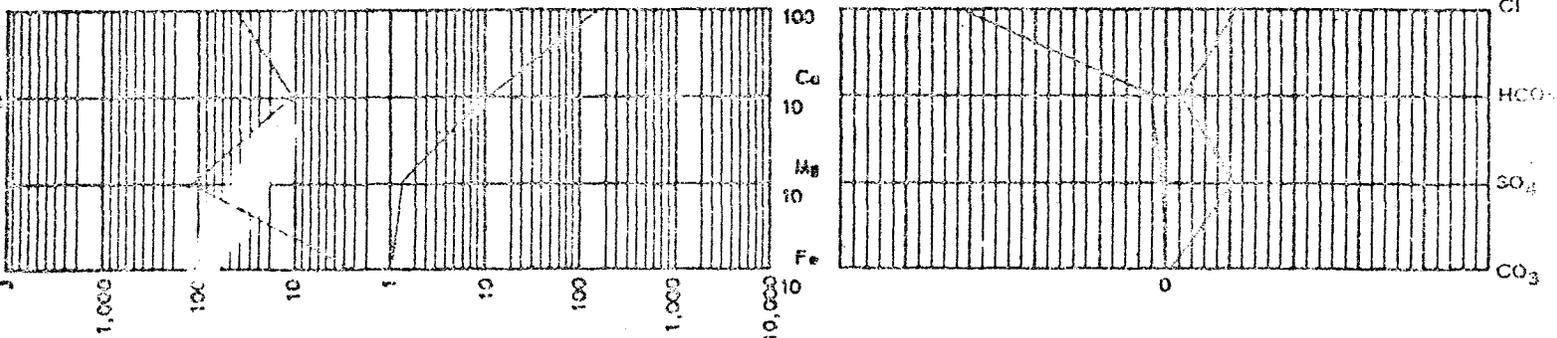
TOTAL HARDNESS Mg/L as CaCO₃ 649.12 TOTAL ALKALINITY Mg/L as CaCO₃ 722

CONSTITUENT	MILLIGRAMS PER LITER Mg/L.	MILLEQUIVALENTS PER LITER MEQ/L.		REMARKS
CALCIUM - Ca ++	230.0	11.50		
MAGNESIUM - Mg ++	17.4	1.43		
SODIUM - Na +	3614.0	157.13		
BARIUM (INCL. STRONTIUM) - Ba ++	0.34	0.005		
TOTAL IRON - Fe ++ AND Fe +++	1.79	0.06	170.13	
BICARBONATE - HCO ₃ --	626.0	10.26		
CARBONATE - CO ₃ --	96.0	3.20		
SULFATE - SO ₄ --	5000	104.17		
CHLORIDE - CL -	1864.3	52.52	170.15	
TOTAL DISSOLVED SOLIDS	7,000			

MILLEQUIVALENTS PER LITER

LOGARITHMIC

STANDARD



ANALYST _____

CHECKED _____

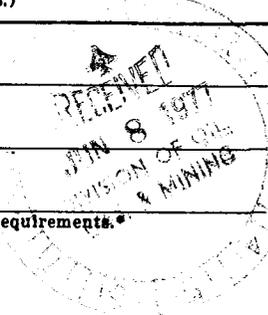
STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on re-verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Patented
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80290		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1847' FNL & 1618' FEL Section 4		8. FARM OR LEASE NAME Oman
14. PERMIT NO.		9. WELL NO. 1-4B4
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6465 KB		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA SW/4 NE/4 Section 4-T2S-R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah



16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Equip for gas lift <input checked="" type="checkbox"/>	

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) Equip for gas lift <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attachment

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: June 5, 1977
BY: P. H. Ansell

18. I hereby certify that the foregoing is true and correct

SIGNED P. Plaudy TITLE Div. Oper. Engr. DATE 6/2/77

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

cc: Utah USGS w/attachment

*See Instructions on Reverse Side

EQUIP FOR GAS LIFT

ALTAMONT

SHELL-TENNECO-SABINE EXPLOR-
KING SILVER
FROM: 4/21 - 5/18/77

LEASE OMAN
DIVISION WESTERN
COUNTY DUCHESNE

WELL NO. 1-4B4
ELEV 6465 KB
STATE UTAH

UTAHALTAMONT

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

"FR" TD 14,000. PB 13,998. AFE #527874 provides funds to equip for gas lift & AFE #527876 provides funds to retire submsbl pmp equip. MI&RU CWS #17.

APR 21 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. Rig was down for repairs.

APR 22 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. Bled CP & pmp'd 50 BW down tbgs & 75 bbls down csg. Removed WH equip & installed hyd. Pulled 295 jts 2-7/8 tbgs, mtr, seal & pmp. RIH w/top half on-off tool, SN, 1 6' sub, 1 jt 2-7/8, mandrel w/valve @ 11,150, 18 jts 2-7/8, mandrel @ 10,593 & 18 jts tbgs. Landed on donut, locked donut & SD for night. 4/23 Bled press & pmp'd wtr to kill well. Ran mandrel @ 10,036, 18 jts tbgs, mandrel @ 9479, 17 jts, mandrel @ 8951, 24 jts, mandrel @ 8209, 38 jts, mandrel @ 7037, 56 jts, mandrel @ 5305, 78 jts, mandrel @ 2893, 91 jts, 1 10' sub, 2 4' subs & 1 jt tbgs. Latched onto on-off tool & landed on donut. Installed 5000# tree. Released rig 4/23. Turned well over to prod.

APR 25 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 15-hr test 4/24, gas lifted 98 BO, 234 BW, 685 MCF gas w/1400 psi inj press.

APR 26 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 24-hr test, gas lifted 317 BO, 323 BW, 615 MCF gas w/1400 psi inj press.

APR 27 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 14-hr test gas lifted 111 BO, 300 BW, 320 MCF gas w/1400 psi inj press.

APR 28 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 9-hr test, gas lifted 214 BO, 398 BW, 610 MCF gas w/1400 psi inj press.

APR 29 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 20 hr test, gas lifted 172 BO,
168 BW, 300 MCF gas w/1400 psi inj press.

MAY 02 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On various tests, gas lifted:

<u>Rept Date</u>	<u>Hrs</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Inj Press</u>
4/29	24	130	69	150	1400
4/30	24	204	300	525	1400
5/1	24	315	489	603	1400

MAY 03 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 9-hr test, gas lifted 133 BO,
172 BW, 285 MCF gas w/1400 psi inj press.

MAY 04 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 24-hr test, gas lifted 297 BO,
498 BW, 810 MCF gas w/1260 psi inj press.

MAY 05 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 24-hr test, gas lifted 311 BO,
498 BW, 500 MCF gas w/60 psi inj press.

MAY 06 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 24-hr test, gas lifted 303 BO,
586 BW, 685 MCF gas w/1360 psi inj press.

MAY 09 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On various tests, gas lifted:

<u>Rept Date</u>	<u>Hrs</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Inj Press</u>
5/6	24	244	486	935	1360
5/7	24	258	503	1075	1360
5/8	24	308	596	1176	1370

MAY 10 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 24-hr test, gas lifted 175
BO, 227 BW, 387 MCF gas w/1370 psi inj press.

MAY 11 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 24-hr test, gas lifted 243 BO,
488 BW, 831 MCF gas w/1370 psi inj press.

MAY 12 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 24-hr test, gas lifted 263 BO,
554 BW, 920 MCF gas w/1340 psi inj press.

MAY 13 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On 24-hr test, gas lifted 298 BO,
634 BW, 1260 MCF gas w/1340 psi inj press.

MAY 16 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. On various tests, gas lifted:

<u>Rept Date</u>	<u>Hrs</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Inj Press</u>
5/13	24	260	542	1210	1340
5/14	24	264	556	1210	1320
5/15	24	217	467	845	1320

MAY 17 1977

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(Equip for gas lift)

TD 14,000. PB 13,998. Before work, well avg'd 299 BO,
717 BW & 223 MCF gas/day. After work, well avg'd 265 BO,
477 BW & 189 MCF gas/day.

FINAL REPORT

MAY 18 1977

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Shell Oil Company</p> <p>3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80290</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1847' FNL & 1618' FEL Sec. 4</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Patented</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Oman</p> <p>9. WELL NO. 1-4B4</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/4 NE/4 Sec. 4- T2S-R4W</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6465 KB</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO :		SUBSEQUENT REPORT OF :	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: _____

BY: _____

See attachment

18. I hereby certify that the foregoing is true and correct

SIGNED R. Plauty TITLE Div. Opers. Engr. DATE 10/19/78

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah USGS w/attachment

*See Instructions on Reverse Side

CO, PERF & AT
SHELL-TENNECO-SABINE EXPLOR-
KING SILVER
FROM: 9/14-10/9/78

LEASE OMAN
DIVISION WESTERN
COUNTY DUCHESNE

ALTAMONT
WELL NO. 1-4B4
ELEV. 6465 KB
STATE UTAH

UTAH

ALTAMONT

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

SEP 14 1978

"FR" TD 14,000. PB 13,980. AFE #574057 provides funds to pull tbg, MO Mdl D pkr @ 11,200, CO 7" csg to 11,728, CO 5" liner from 11,728-13,980, perf 11,704-13,963 (555 holes), AT, reinstall Bkr Mdl D pkr @ 11,680 & rerun gas lift equip. Well is now avg'g 127 BO/D, 360 BW/D w/355 MCF/D gas lift'g.

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

TD 14,000. PB 13,980. 9/13 Fin'd MI&RU. Bled gas off csg & loaded csg & tbg w/prod wtr. Installed BPV in tbg donut. Removed tree & installed 6" BOP. Removed BPV & unstung from pkr @ 11,200. Pulled 10,000' tbg; LD gas mndrls.

SEP 15 1978

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

SEP 18 1978

TD 14,000. PB 13,980. 9/14 Fin'd POOH & LD gas mndrls. RIH w/6-1/8 OD pkr picker & tag'd pkr @ 11,200. Pmp'd 500 bbls warm prod wtr down backside; no circ. Pmp'd down tbg; tbg plug'd w/paraffin. Press'd tbg to 7000#; solid. POOH 3000' & LD 6 paraffin-plugged jts of tbg. Pmp'd 300 bbls 180 deg wtr down backside & then tbg vol down tbg. Ran tbg & pkr picker back to Mdl D pkr @ 11,200 & SD for night. Prep to mill on pkr.

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

TD 14,000. PB 13,980. 9/15 Milled over Mdl D pkr @ 11,200; worked free. RIH to top of liner @ 11,728 & est circ after pmp'g 300 bbls. POOH; rec'd pkr & flapper valve. Ran 2 prong grab on braided line & tag'd wire or btm @ 13,900. POOH; no rec. 9/16 Ran 2 prong grab to TD & fished for slick line. POOH w/no rec of wire. RD slick lin^e trk. PU 4-1/8 x 3-1/8 mill shoe & 1 jt WP & RIH. Tag'd scale or slick line wire @ 13,960. Hooked up power swivel & rotated down to 13,982. POOH & LD 90 jts workstring. Pulled total 140 stds tbg.

SEP 19 1978

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

TD 14,000. PB 13,980. 9/18 Fin'd POOH; no rec of slick liner in WP or mill. RU OWP & perf'd as per prog 13,963-12,509 w/3-1/8 csg gun w/13.5 grm chrgs 3 holes @ each perf'g depth. Made 7 runs for total of 375 holes; no sfc press during perf'g. FL 3000'.

SEP 20 1978

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

TD 14,000. PB 13,980. 9/19 Fin'd perf'g w/3-1/8 csg gun 12,509-11,704; 4 runs & 180 holes for total of 555 holes. Had no sfc press & FL 3400'. Ran 7" Bkr Mdl D pkr w/flapper valve & set @ 11,680. Ran prod tube seal & latch assy. Tag'd pkr & spaced out w/10,000# tension. Loaded backside w/prod wtr & press tested to 3500#, ok. Removed 6" BOP & installed 10,000# tree. SD for night.

SEP 21 1978

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

TD 14,000. PB 13,980. 9/20 J WOW & press tested sfc lines to 9500#, ok. AT 612 perfs (555 new & 57 old) from 11,704-13,963 as per prog w/40,000 gals 7-1/2% HCl & 10,000 gals 12% HCl - 3% HF mud acid. Max press 7200 psi, min 6350, avg 7000. Max rate 12 B/M, min 8, avg 11. ISIP 500# & vac in 1 min. Pmp'd 40 bbls diesel w/max press of 3000#; vac immediately. Used 600 ball sealers + 10,000# 50-50 OS-160 Unibeads (Button & Beads). Total load 1370 bbls incl'g flush + 40 bbls diesel. RD WOW & RU OWP. Ran GR tracer log from 13,950-11,450; log indicates good trtmt 12,400-11,704 (btm portion of hole 12,400-13,950).

SEP 22 1978

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

TD 14,000. PB 13,980. 9/21 POOH w/latch seal assy & prod tube; repl'd latch seal assy. Ran 5' prod tube & redressed latch seal assy, 9 gas mndrls (as per prog) & 3 stds tbg. Tbg prt'd @ btm of 9th gas mndrl & fell to btm; Mdl D pkr @ 11,680. Pulled 3 stds & 9th gas mndrl & LD. PU 5-3/4 OD Bowen left-hand releasing overshot w/3-3/32 grapple on 2-7/8 tbg & engaged fish @ 7119. Pulled 25,000# over wt of tbg string to chk strength of 8 mndrls still in hole. Released latch seal assy from pkr @ 11,680, ok. Pulled 10 stds tbg & SD for night.

SEP 25 1978

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

TD 14,000. PB 13,980. 9/22 POOH; rec'd fish intact. PU new 5' prod tube & redressed latch assy. Ran gas mndrls spaced as per prog. Latched into pkr @ 11,680 & spaced out w/14,000# tension. Removed BOP & installed 5000# tree. Rehooked gas inj & flwline & turned well over to prod.

SEP 26 1978

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

TD 14,000. PB 13,980. Gauge not available. SEP 27 1978

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

TD 14,000. PB 13,980. On 10-hr test 9/23, prod 376 BO, 164 BW & 750 MCF gas w/300 psi. On 24-hr test 9/24, prod 675 BO, 363 BW & 1910 MCF gas w/250 psi. SEP 28 1978

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

TD 14,000. PB 13,980. Gauge not available. SEP 29 1978

Shell-Tenneco-Sabine
Explor-King Silver-
Oman 1-4B4
(CO, Perf & AT)

TD 14,000. PB 13,980. On 24-hr test, prod 79 BO, 435 BW & 1696 MCF gas w/200 psi. OCT 02 1978

Shell-Tenneco-Sabine TD 14,000. PB 13,980. On various tests, prod:
 Explor-King Silver-
 Oman 1-4B4
 (CO, Perf & AT)

Date	Hrs	BO	BW	MCF Gas	Press
9/26	24	677	341	1883	200
9/27	24	646	378	1883	250
9/28	24	759	479	2120	200
9/29	24	731	446	1600	300
9/30	24	700	457	1979	300

OCT 03 1978

Shell-Tenneco-Sabine TD 14,000. PB 13,980. Gauge not available.
 Explor-King Silver-
 Oman 1-4B4
 (CO, Perf & AT)

OCT 04 1978

Shell-Tenneco-Sabine TD 14,000. PB 13,980. On 24-hr test 10/1, prod 591 BO,
 Explor-King Silver- 383 BW & 1352 MCF gas w/200 psi. On 24-hr test 10/2, prod
 Oman 1-4B4 536 BO, 277 BW & 2177 MCF gas w/200 psi.
 (CO, Perf & AT)

OCT 05 1978

Shell-Tenneco-Sabine TD 14,000. PB 13,980. On 24-hr test 10/3, prod 592 BO,
 Explor-King Silver- 378 BW & 1979 MCF gas w/250 psi. On 24-hr test 10/4, prod
 Oman 1-4B4 661 BO, 539 BW & 2100 MCF gas w/250 psi.
 (CO, Perf & AT)

OCT 06 1978

Shell-Tenneco-Sabine TD 14,000. PB 13,980. Prior to work, well prod 127 BO &
 Explor-King Silver- 360 BW w/355 MCF/D gas inj. After work, well prod 573 BO
 Oman 1-4B4 & 313 BW w/1030 MCF/D gas inj.
 (CO, Perf & AT)

OCT 08 1978

FINAL REPORT

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. PATENTED
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 831 Houston, Tx 77001 ATTN: C.E. Tixier		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1947 FNL & 1618 TEL SEC. 4		8. FARM OR LEASE NAME OMAN
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6465' RB	9. WELL NO. 1-484
		10. FIELD AND POOL, OR WILDCAT ALTAMONT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/4 NE/4 T2S R4W
		12. COUNTY OR PARISH Duchesne
		18. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) REPAIR CASING	<input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

DIVISION OF OIL, GAS, AND MINING

FEB 20 1981

RECEIVED

SEE ATTACHED

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE DIVISION PROD. ENGINEER DATE 1-30-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 324
ISSUED 10/10/80

WELL:	OMAN 1-484
LABEL:	NEW WO#
AFE:	592407
FOREMAN:	J.K. HILL
RIG:	WOW #20
OBJECTIVE:	REPAIR CASING DAMAGE
AUTH. AMNT:	40000
DAILY COST:	4373
CUM COST:	4373
DATE:	6-19 AND 6-20-80
ACTIVITY:	6-19 - NO PRESSURE ON WELL. FINISH TRIP IN. RAN
02	THROUGH DAMAGED INTERVAL WITH 6 IN. SWEDGE FROM
03	7034 TO 7220. RAN THROUGH TIGHT SPOT SEVERAL TIMES.
04	FROM ALL INDICATIONS FORMATION IS SLUFFING IN
05	FROM SPLIT. P.O.O.H. MAKEUP 6 1/8 IN. SWEDGE.
06	S.I.H. SWEDGE WOULD NOT GO INTO 7 IN. CASING. LAY
07	DOWN 6 1/8 IN. SWEDGE. MAKE UP AND RUN 6.094 O.D.
08	SWEDGE WITH COLLARS JARS AND BUMPER SUB. RAN
09	THROUGH TIGHT INTERVAL FROM 7034 TO 7220. PULLED
10	20 JTS. ABOVE TIGHT SPOT. S.D.O.N.
11	
12	6-20-80 - RUN THROUGH TIGHT INTERVAL AGAIN WITH
13	6.094 SWEDGE. RUN CASING INSPECTION AND CASING
14	CALIPER LOG.
LABEL:	-----
DAILY COST:	6850 / 1700
CUM COST:	11223 / 12923
DATE:	6-20 AND 6-21-80
ACTIVITY:	6-20-80 - NO PRESSURE ON WELL. RIH WITH 40 JTS. TO
02	7034. RAN THROUGH TIGHT INTERVAL FROM 7034 TO 7220
03	WITH 6.094 IN. O.D. SWEDGE. POOH AND R.U. MCCULLOUGH
04	TO RUN CASING CALIPER AND CASING INSPECTION LOG. RIH
05	WITH LOGGING TOOLS. COULD NOT GET BELOW 7079 FT.
06	WITH 5 3/4 IN. LOGGING TOOLS. WORKED UP AND DOWN
07	SEVERAL TIMES. COULD NOT WORK DOWN PAST 7079 FT.
08	LOGGED FROM 7079 FT. TO 6670 FT. FOUND CASING PART
09	FROM 6684 TO 6679. CASING CALIPER FROM 7079 TO
10	6684 SHOWED SOME WEAR. POOH WITH WIRELINE. LAYED
11	DOWN DRILL COLLARS. RIH WITH 180 JTS. 2 7/8 IN.
12	TBG. S.O.O.H. LAYING DOWN TBG. LAYED DOWN 126

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 324
ISSUED 10/10/80

13 JTS. 2 7/8 IN. TBG. S.D.O.N.
14
15 6-21-80 - NO PRESSURE ON WELL. POOH LAYING DOWN
16 TBG. LAYED DOWN 54 JTS. RIH 194 JTS. 2 7/8 IN.
17 TBG. REMOVE B.O.P. INSTALL 5000# TREE. R.D.
18 WESTERN #20. WILL R.U. WESTERN #17 WHEN
19 FINISHED WITH 1-3686.

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 323
ISSUED 10/10/80

LABEL: 323
DAILY COST: 323
CUM COST: 323
DATE: 323

LABEL: FIRST REPORT
DAILY COST: 1900
CUM COST: 1900
DATE: 6-12 AND 6-13-80
ACTIVITY: 6-12-80 FIRST REPORT ON THIS LOCATION
02 AFE # 588987 PROVIDES FUNDS TO ACIDIZE AND RETURN WELL
03 TO PRODUCTION. TD 14000 FT. PBD-13965. MOVE FROM
04 WESTERN YARD TO LOCATION AND RIG UP. S.D.O.N.
05
06 6-13-80 STATUS PULL TBG. AND MANDRELS

LABEL: -----
DAILY COST: 2200
CUM COST: 4100
DATE: 6-13-80
ACTIVITY: PUMPED 50 BBLs. H.P.W. DOWN TBG. TO KILL WELL.
02 INSTALL B.P.V. REMOVE 5000# TREE. INSTALL B.O.P. RELEASE
03 OUT OF MOD. D. PKR. AT 11680 FT. P.O.O.H. W/376 JTS.
04 2 7/8 IN. TBG AND 45 SEAL ASSEMBLY AND 3 FT.
05 PROD. TUBE AND LAYED DOWN MANDRELS. MAKE UP NEW
06 SEAL ASSEMBLY. RIH 226 JTS. S.D.O.N.

WELL: OMAN-1-4-B4
LABEL: -----
AFE: 588987
FOREMAN: K. J. DESHOTEL
RIG: WOW #20
OBJECTIVE: ACIDIZE AND RETURN WELL TO PRODUCTION
AUTH. AMNT: 30000
DAILY COST: 20400
CUM COST: 24500
DATE: 6-14-80
ACTIVITY: RAN 150 JTS. SPACED OUT TBG. LATCHED INTO MOD. D AT
02 11680 FT. LANDED TBG. IN HANGER W/12000 LBS. TENSION
03 REMOVED B.O.P. INSTALL 10000 LB. TREE. FILLED CSG.
04 W/ PROD. WATER. PRESS TESTED CSG. CSG. LEAKED AT

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 323
ISSUED 10/10/80

05 2700 LBS. CSG. BLED DOWN TO 930 LBELISEEW7E7EEIN 15 MIN.
 06 HELD 930 LBS. FOR 15 MIN. STARTED PUMPING DOWN CSG. W/RIG
 07 PUMP 1100 LBS. AT APPROX. 1/4 TO 1/2 B.P.M. STARTED
 08 ACID JOB. TREATED WELL W/ 15000 GAL. 15 % HCL. 300 R.C.N.
 09 BALLS 3000 LB. BENZOIC ACID FLAKES. MAX. RESS. 6700 LBS.
 10 MIN. 4800 LBS. AVE. 6200 LBS. MAX. RATE 14.5 B.P.M. MIN.
 11 11 B.P.M. AVE. 13 B.P.M. WELL WENT ON VAC. REMOVE
 12 TREE INSTAARLL B.C.P. S.O.O.H. PULLED 325 JTS.
 13 S.D.O.N.

LABEL: -----
 DAILY COST: 4700
 CUM COST: 29200
 DATE: 6-16-80
 ACTIVITY: 6-16-80 NO PRESSURE ON WELL. FINISH TRIP OUT W/TBG
 02 AND SEAL ASSEMBLY. MAKEUP REDRESSED SEAL ASSEMBLY.
 03 S.I.H. W/TBG. AND MANDRELS AS PER NEW DESIGN. R.I.H.
 04 TO 7160 FT. TAGGED AND FELL THROUGH AT 7160 FT.
 05 PULLED BACK THROUGH TIGHT SPOT AT 7160 FT. PULLED
 06 15000 * OVER TO GET THROUGH. BELIEVED TO BE HANGING
 07 UP ON BOTTOM MANDREL WHICH IS 4 21/64 O.D. AT 7128 FT.
 08 PULLED 4 JTS. ABOVE 7160 FT. S.D.O.N.

LABEL: -----
 DAILY COST: 4000
 CUM COST: 33200
 DATE: 6-17-80
 ACTIVITY: NO PRESSURE ON WELL. POOH WITH 226 JTS. 2 7/8 IN.
 02 TBG. AND 10 GAS LIFT MANDRELS. LAYED DOWN MANDRELS.
 03 MAKE UP AND RIH WITH 4 3/4 IN. SWEDGE 4 3/4 IN.
 04 BUMPER SUB 4 3/4 IN. HYD. JARS AND 4-4 3/4 IN. DRILL
 05 COLLARS. RAN 224 JTS. TAGGED TIGHT SPOT AT 7034 FT.
 06 WORKED THROUGH TIGHT SPOT FROM 7034 FT. TO 7038 FT.
 07 WORKED THROUGH SEVERAL TIMES. RIH FROM 7038 FT. TO
 08 7175 FT. HIT ANOTHER TIGHT SPOT. WORKED THROUGH TIGHT
 09 INTERVAL FROM 7175 FT. TO 7220 FT. WORKED THROUGH
 10 SEVERAL TIMES. PUMPED 60 BBLs. P.W. DOWN TBG.
 11 S.O.O.H. WITH WELL FLOWING SLIGHTLY OUT OF TBG.
 12 PULLED 64 JTS. S.D.O.N.

LABEL: -----
 DAILY COST: 3378

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 323
ISSUED 10/10/80

CUM COST: 36578
 DATE: 6-18 AND 6-19-80
 ACTIVITY: 6-18-80 NO PRESSURE ON WELL. FINISH TRIP OUT
 02 W/4 3/4 IN. SWEDGE. MAKE UP AND RUN 5 1/2 IN. O.D.
 03 SWEDGE-4 3/4 IN. BUMPER SUB- 4 3/4 IN. HYD. JARS-FOUR
 04 4 3/4 IN. DRILL COLLARS- 4 3/4 ACCELERATOR-232 JTS.
 05 2 7/8 IN. TBG. WORKED SWEDGE THROUGH TIGHT SPOTS FROM
 06 7034 TO 7038 AND FROM 7175 TO 7220. P.O.O.H. WITH
 07 TBG.-DRILL COLLARS AND 5 1/2 IN. SWEDGE. MAKE UP 6 IN.
 08 O.D. SWEDGE R.I.H. SAME AS ABOVE. RAN 226 JTS.
 09 S.D.O.N.
 11- 6-19-80 STATUS: SWEDGE CSG. TO DRIFT 6 1/8 IN. I.D.

LABEL: FINAL REPORT
 DAILY COST: 1700
 CUM COST: 12923
 DATE: 6-21-80
 ACTIVITY: 6-21-80 NO PRESSURE ON WELL. POOH LAYING DWON TBG.
 02 LAYED DOWN 54 JTS. R.I.H. 194 JTS. 2 7/8 IN. TBG.
 03 REMOVE B.O.P. INSTALL 5000# TREE. RIG DOWN WESTERN #20
 04 WILL RIG UP WESTERN #17 WHEN FINISHED WITH 1-36 B6
 05 6-30-80 RIG STILL ON LOCATION. WELL WAS LEFT SHUT IN
 06 IN JULY BECAUSE OF CASING PROBLEMS.

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 332
ISSUED 10/10/80

WELL:	OMAN 1-484
LABEL:	FIRST REPORT
AFE:	593297
FOREMAN:	K. J. DESHOTEL
RIG:	WOW # 17
OBJECTIVE:	REPAIR 7 IN. CSG. AND RETURN WELL TO PROD.
AUTH. AMNT:	150000
DAILY COST:	4200
CUM COST:	4200
DATE:	7-29 AND 7-30-80
ACTIVITY:	7-29-80 STATUS: MOVE RIG AND EQUIP. TO LOCATION
02	7-29-80 ACTIVITY: FIRST REPORT ON THIS LOCATION
03	AFE # 593297 PROVIDES FUNDS TO PULL AND REPAIR PARTED
04	AND COLLAPSED 7 IN. CSG. TO 14000 FT. PBTD-
05	13980 FT. MOVE RIG AND EQUIPMENT FROM 1-3285 TO
06	LOCATION.
07	7-30-80 STATUS: RIG UP AND PULL TBG.
LABEL:	-----
DAILY COST:	2050
CUM COST:	6250
DATE:	7-30 AND 7-31-80
ACTIVITY:	7-30-80 STATUS: RIG UP AND PULL TBG.
02	7-30-80 ACTIVITY: RIG UP PUMP 100 BBLs. PRODUCED WTR.
03	DOWN TBG. REMOVE WELLHEAD AND INSTALL BOPS. PULLED TBG.
04	OUT OF HOLE 6000 FT. F RIG ENGINE BROKE DOWN. SHUT
05	DOWN TO REPAIR RIG ENGINE.
06	7-31-80 STATUS: RIH WITH CSG. SWAGE
LABEL:	-----
DAILY COST:	2850
CUM COST:	9100
DATE:	7-31 AND 8-1-80
ACTIVITY:	7-31-80 STATUS: RIH WITH CSG. SWAGE
02	7-31-80 ACTIVITY: MAKE UP 6 3/32 IN. CSG. SWAGE DRILL
03	COLLARS-BUMPER S B AND JARS AND RIH TO 6710 FT. TAG AND
04	FELL THROUGH. PULL BACK THROUGH AT 6710 FT. AND RUN
05	THROUGH AGAIN WITH NO PROBLEMS. RIH AND TAG
06	AT 7108 FT. RUN UP AND DOWN THROUGH SPOT AT 7108 FT.
07	WITH NO PROBLEM. RIH TO 7600 FT. CSG. O.K. POOH WITH
11	TBG. COLLARS-BUMPER SUB JARS AND SWAGE. MAKE UP BOWEN 7 IN.

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 332
ISSUED 10/10/80

12 CSG. CUTTERS-MECHANICAL TYPE- 2 DRILL COLLARS AND RIH
13 TO 6500 FT. S.D.O.N.
14 8-1-80 STATUS: CUT 7 IN. CSG.

LABEL: -----
DAILY COST: 3350
CUM COST: 12450
DATE: 8-1 AND 8-2-80
ACTIVITY: 8-1-80 STATUS: CUT 7 IN. CSG.
02 8-1-80 ACTIVITY: RIH TO 7264 FT. PICK UP POWER SWIVEL-
03 CUT 7 IN. CSG. AT 7264 FT. POOH WITH TBG. -2 DRILL COLLARS
04 AND BOWEN 7 IN. CSG. CUTTER. PREPARE TO PULL 7 IN. CSG.
05 RIG UP BLOCKS FOR PULLING CSG. -REMOVED 6 IN. BOPS AND 10 IN.
06 X 10 IN. SPOOL INSTALLED 10 IN. BOPS. S.D.O.N.
07 8-2-80 STATUS: PULL AND LAY DOWN 7 IN. CSG.

LABEL: -----
DAILY COST: 7950
CUM COST: 29150
DATE: 8-2 AND 8-3 AND 8-4-80
ACTIVITY: 8-2-80 STATUS: PULL AND LAY DOWN 7 IN. CSG.
02 8-2-80 ACTIVITY: MAKE UP 7 IN. SPEAR-1 4 3/4 IN. DRILL
03 COLLAR AND SET 7 IN. SPEAR 6 FT. BELOW SLIPS
04 PULLED 26000 LB. CSG. DID NOT COME FREE. REPEATED
05 SEVERAL TIMES-UNABLE TO PULL CSG. RIG UP HOT OILER TO
06 PUMP DOWN 9 5/8 IN. CSG. AND AROUND FLANGE OF SLIPS FOR
07 2 HRS. STILL UNABLE TO PULL CSG. MIRU UP CSG. JACK
08 PULLED 282000 CSG. CAME FREE. PULLED 3 JTS. OF 7 IN.
09 26 LB. CSG BEFORE CSG STARTED PULLING EASY AND FREE.
10 PULLED A TOTAL OF 20 JTS. S.D.O.N.
11 8-3-80 STATUS: PULL AND LAY DOWN 7 IN. CSG.
12 8-3-80 ACTIVITY: FINISHED PULLING AND LAYING DOWN
13 7 IN. CSG PULLED A TOTAL OF 155 JTS SENT TO SHELL FOR INSPECT
21 MAKE UP 7 IN. CSG. SPEAR-CSG STOP 3 FT. ABOVE SPEAR
22 1 4 3/4 IN. DRILL COLLARS-BUMPER SUB AND JARS 3 4 3/4
23 IN. DRILL COLLARS. EXCELL. SUB AND TBG. RIH TO 6688 FT.
24 AND SET SPEAR. PULLED 125000 CSG DID NOT COME FREE.
25 BEAT ON CSG. FOR 1 HR. WITH JARS -CSG STILL STUCK.
26 PUMP DOWN TBG AND UP 9 5/8 CIRCULATED BOTTOMS UP. SET
27 JARS OFF TWICE CSG. CAME FREE. PULL 7 IN. UP 30 FT.
28 SPEAR RELEASED-ATTEMPTED TO SET SPEAR AGAIN UNABLE TO
29 SET SPEAR. PULL UP INTO 9 5/8 CSG. S.D.O.N.

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 332
ISSUED 10/10/80

30 8-4-80 STATUS: RUN NEW CSG SPEAR

LABEL: -----
DAILY COST: EST. 5950
CUM COST: EST. 35100
DATE: 8-4 AND 8-5-80
ACTIVITY: 8-4-80 STATUS: RUN NEW CSG. SPEAR.
02 8-4-80 ACTIVITY: POOH WITH TBG. AND SPEAR-GRAPPLE
03 ON SPEAR A LITTLE WORN. MAKE UP A NEW GRAPPLE ON SPEAR
04 AND RIH TO 6658 FT. AND TAG. MADE A SEVERAL ATTEMPTS
05 TO SET SPEAR UNABLE TO GET INSIDE OF 7 IN. CSG. RIG UP
06 POWER SWIVEL AND CIRCULATED HOLE WITH PROD.
07 WTR. WORKED TBG. STRING UP AND DOWN WHILT E ROTATING
08 WITH SWIVEL. ATTEMPTING TO GET INSIDE OF 7 IN. CSG.
09 CONTINUED WORKING SPEAR WITH SWIVEL FOR 1 1/2 HRS. POOH
10 WITH TBG. AND SPEAR. GRAPPLE ON SPEAR WORN SOME -NOSE
11 OF SPEAR HAD SOME WEAR MARKS S.D.O.N.
12 8-5-80 STATUS: RIH WITH SWAGE AND SPEAR

LABEL: -----
DAILY COST: 18018
CUM COST: 53118
DATE: 8-5 AND 8-6-80
ACTIVITY: 8-5-80 - RIH WITH 6 5/32 IN. SWAGE 7 IN. SPEAR DRILL
02 COLLARS BUMPER SUB JARS AND TAG AT 6274 FT. TOP OF
03 7 IN. CASING AT 6658 FT. HOLE FALLING IN. POOH WITH
04 SWAGE AND SPEAR. MAKE UP 8 3/4 IN. BIT. RIH TO 100 FT.
05 UNABLE TO GET BY THIS POINT. POOH. MAKE UP 8 3/8 IN.
06 BIT. RIH TO 100 FT. UNABLE TO GET BY THIS POINT.
07 POOH. MAKE UP 7 7/8 IN. BIT. RIH TO 100 FT. UNABLE
08 TO GET BY THIS POINT. POOH. S.D.O.N.
09
10 8-6-80 - RUN CASING SWAGE.

LABEL: FIRST REPORT
DAILY COST: 5000
CUM COST: 58118
DATE: 8-6-80
ACTIVITY: 8-6-80 ACTIVITY: MADE UP 7 7/8 IN. CSG. SWAGE AND
02 RIH TO 114 FT. TIGHT SPOT FROM 114 FT. TO 124 FT. RUN
03 UP AND DOWN THROUGH TIGHT SPOT FOR 1 HR. NOT DOING ANY
04 GOOD. CASING MIGHT BE PARTED CELLAR AND HOOK UP RIG

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 332
ISSUED 10/10/80

05 -- PUMP BETWEEN 13 3/8 IN. AND 9 5/8 IN. CSG. STARTED
06 PUMPING PUMPED 38 BRLS. HOLE STARTED CIRCULATING. PICKED
07 UP 9 5/8 IN. CSG. SPEAR HOOKED UP HOT OILER TO CSG.
08 PUMPED FOR 210 WATER DOWN BETWEEN 13 3/8 IN. AND 9 3/8 IN.
09 PUMPED CSG. NOT FREE. REPEATED SEVERAL TIMES UNABLE TO
10 PULL 9 5/8 IN. S.D.O. N.

LABEL: -----
DAILY COST: 4250
CUM COST: 62368
DATE: 8-7 AND 8-8-80
ACTIVITY: 8-7-80 STATUS: ATTEMPT TO PULL 9 5/8 IN. CSG.
02 8-7-80 ACTIVITY: REMOVED 10 IN. BOPS. 7 IN. CSG.
03 HANGER SET SPEAR AT 6 FT. PULLED 80000 CSG.
04 NOT FREE. REPEATED SEVERALTIMES STILL UNABLE TO
05 PULL 9 5/8 IN. CSG.
06 INSTALL 10 IN. BOPS ON WELL MIRU DIA-LOG AND RUN CSG.
07 INSPECTION LOG. LOG INDICATES COLLAPSED PIPE BELOW
08 COLLAR FROM 116 FT. TO 122 FT. LOG ALSO INDICATES
09 HOLE IN 9 5/8 IN. AT 285 FT. RIG DOWN DIA-LOG.
10 MAKE UP 8 1/4 IN. SWAGE AND RIH TO 116 FT. ATTEMPT
11 TO SWAGE OUT CSG. MADE SEVERAL ATTEMPTS TO SWAGE
12 CSG. UNABLE TO KEEP CSG. SWAGED OUT. S.D.O.N.
13 8-8-80 STATUS: RUN TAPERED MILL

LABEL: -----
DAILY COST: 5750
CUM COST: 75368
DATE: 8-8 AND 8-9 AND 8-10-80
ACTIVITY: 8-8-80 STATUS RUN TAPERED MILL
02 8-8-80 ACTIVITY: MAKE UP 8 1/2 IN. TAPERED MILL
03 BUMPER SUB-JARS. 3 6 3/4 IN. DRILL COLLARS AND
04 RIH TO 110 FT. AND TAG. PICK UP POWER SWIVEL AND
05 STARTED MILLING. MILLED FOR 11 HRS. AND MADE
06 10 FT. FROM 110 FT. TO 120 FT. PULLED MILL UP
07 TO 80 FT. SHUT IN WELL HEAD. S.D.O.N.
08 8-9-80 STATUS CONTINUE MILLING
09 8-9-80 ACTIVITY: RIH TO 120 FT. WITH TAPERED
11 MILL AND CONTINUED MILLING. MILLED FOR 1.5 HRS.
12 BEFORE FALLING THROUGH AT 123 FT. PULL UP AND
13 DOWN HOLE SEVERAL TIMES FROM 100 FT. TO 130 FT.
14 HOLE OK. PULL UP TO 100 FT. WAITED FOR 1 HR. AND WENT

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 332
ISSUED 10/10/80

15 BACK THROUGH HOLE OK. POOH LAY DOWN DRILL COLLARS
16 AND MILL. MAKE UP 8 1/2 IN. ROCK BIT. 1 4 3/4 IN.
17 DRILL COLLAR
18 BUMPER SUB JARS 2 4 3/4 IN.
19 DRILL
20 COLLARS 1 EXCELLARATOR SUB AND RIH TO 4574 FT.
21 AND TAG. ATTEMPTED TO GET BY TIGHT SPOT BIT
22 WOULD NOT GO THROUGH. POOH. MAKE UP 3 1/4 IN.
23 SWAGE AND RIH AND TAG AT 4574 FT. ATTEMPTED
24 TO SWAGE CSG. DID NOT MAKE HOLE. POOH. S.D.R.O.
25 8-10-80 STATUS: RUN CSG. LOG

LABEL: -----
DAILY COST: 4190
CUM COST: 79558
DATE: 8-10 AND 8-11-80
ACTIVITY: 8-10-80 STATUS: RUN CASING LOG
02 8-10-80 ACTIVITY: MIRU DIA-LOG AND RUN CASING SURVEY
03 FROM 5950 FT. TO SURFACE ON 9 5/8 IN. CSG. LOG
04 INDICATES COLLAPSED PIPE FROM 4588 FT. TO 4630 FT.
05 CSG. AT THIS DEPTH LITTLE UNDER 7.5 IN. LOG SHOWS
06 ALL OTHER PIPE TO BE 8 3/4 IN. RIG DOWN DIA-LOG
07 S.D.O.N.
11 8-11-80 STATUS: RUN 8 1/2 IN. TAPERED MILL

LABEL: -----
DAILY COST: 5450
CUM COST: 85008
DATE: 8-11 AND 8-12-80
ACTIVITY: 8-11-80 STATUS: RUN 8 1/2 IN. TAPERED MILL
02 8-11-80 ACTIVITY: MAKE UP 8 1/2 IN. TAPERED MILL-
03 1 4 3/4 IN. DRILL COLLAR- BUMPER SUB- JARS 3 4 3/4 IN.
04 DRILL COLLARS EXCELLARATOR SUB- TBG. AND RIH TO 4588
05 FT. AND TAG. PICK UP POWER SWIVEL ESTABLISHED CIRCULATION
06 AND STARTED MILLING. MILLED FROM 4588 FT. TO 4598 FT.
07 PULL UP 3 JTS. SHUT DOWN RIG OPERATIONS.
08 8-12-80 STATUS: CONTINUE MILLING

LABEL: -----
DAILY COST: 5450
CUM COST: 90458
DATE: 800813

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 332
ISSUED 10/10/80

ACTIVITY: 8-12-80 ACTIVITY: RIH WITH 3 JTS, TBG, AND TAG AT 4598 FT.
02 PICK UP POWER SWIVEL ESTABLISH CIRCULATION AND STARTED
03 MILLING. MILLED FROM 4598 FT. TO 4620 FT. MADE A TOTAL
04 OF 22 FT. THIS DATE. IN 2 DAYS OF MILLING MADE A
05 TOTAL OF 32 FT. 10 FT. LEFT TO BE MILLED OUT. PULL
06 UP 4 JTS. S.D.O.N.

LABEL: -----

DAILY COST: 5450

CUM COST: 95908

DATE: 800814

ACTIVITY: 8-13-80 STATUS: FINISH MILLING OUT BAD SPOT IN 9 5/8 IN.
02 8-13-80 ACTIVITY: RIH WITH 4 JTS, TBG, AND TAG AT 4620 FT.
03 PICK UP POWER SWIVEL ESTABLISH CIRCULATION AND STARTED
04 MILLING. MILLED FROM 4620 FT. TO 4640 FT. AND FELL
05 THROUGH THEN STARTED OUT AT 4650 FT. PULL UP TO 4640 FT.
06 CONTINUE TO CIRCULATE GETTING SHALE AND WHAT LOOKS
07 LIKE CEMENT IN RETURNS. CIRCULATE HOLE UNTIL RETURNS
08 WERE CLEAN. POOH AND LAYED DOWN 100 JTS, TBG, 8 1/2 IN.
09 TAPERED MILL O.K. S.D.O.N.

LABEL: -----

DAILY COST: 6950

CUM COST: 102858

DATE: 8-14 AND 8-15-80

ACTIVITY: 8-14-80 STATUS: RIH WITH 8 1/2 IN. ROCK BIT
02 8-14-80 ACTIVITY: MAKE UP 8 1/2 IN. ROCK BIT-1 DRILL
03 COLLAR BUMPER SUB JARS 3 DRILL COLLARS AND EXCELLARATOR
04 SUB RIH AND TAG AT 4640 FT. PICK UP POWER SWIVEL
05 ESTABLISH CIRCULATION-ATTEMPT TO CLEAN OUT HOLE BIT
06 WOULD NOT GO THROUGH SPOT AT 4640 FT. POOH MAKE UP
07 7 7/8 IN. ROCK BIT AND RIH TO 4640 FT. AND TAG PICK UP
08 POWER SWIVEL MIX AND GELL WTR. WEIGHT 8.8
09 LB. VISCOSITY 52 CIRCULATE HOLE WITH MUD START SWIVEL
10 AND MADE 30 FT. OF HOLE FROM 4640 FT. TO 4670 FT. GETTING
11 SHALE LOST CIRCULATION MATERIAL AND CEMENT. CONTINUE
12 CONDITIONING OF HOLE OVER NIGHT.
13 8-15-80 STATUS: CONTINUE TO CONDITION HOLE

LABEL: -----

DAILY COST: 6150

CUM COST: 109008

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 332
ISSUED 10/10/80

DATE: 8-15 AND 8-16 AND 8-17 AND 8-18-80
 ACTIVITY: 8-15-80 STATUS: CONTINUE TO CONDITION HOLE
 02 8-15-80 ACTIVITY: MADE HOLE THIS DATE FROM 4640 FT.
 03 TO 4715 FT. WHILE PUMPING GELL WATER. QUIT MAKING
 04 HOLE AT 4715 FT. LAY BACK POWER SWIVEL AND POOH.
 05 8-16-80 ACTIVITY: POOH WITH TBG. AND BIT. CONES OFF
 06 BOTTOM OF BIT MISSING. MAKE UP GUIDE SHOE- 7 IN.
 07 MAGNET AND RIH TO 4685 FT. AND TAG 30 FT. OF FILL
 08 ON TOP OF CONES AT 4715 FT. ATTEMPTED FOR 1.5 HRS. TO
 09 WASH DOWN TO 4715 FT. UNABLE TO MAKE HOLE. POOH WITH
 10 TBG. AND MAGNET. S.D.O.N.
 11 8-17-80 STATUS: SHUT DOWN
 12 8-18-80 STATUS: LAY DOWN PIPE- RIG DOWN AND MOVE

LABEL: FINAL REPORT
 DAILY COST: 9000
 CUM COST: 118008
 DATE: 8-18 AND 8-19-80
 ACTIVITY: 8-18-80 STATUS: LAY DOWN PIPE AND RIG DOWN.
 02 8-18-80 ACTIVITY: LAY DOWN DRILL COLLARS AND TOOLS.
 03 LAY DOWN 7000 FT. OF 2 7/8 IN. TBG. REMOVE BOPS AND
 04 INSTALL WELLHEAD. S.D.O.N.
 05 8-19-80 STATUS: RIG DOWN AND MOVE.
 06 8-19-80 ACTIVITY: RIG DOWN AND MOVE EQUIP. FROM
 07 LOCATION TO ROOSEVELT. FINAL REPORT ON THIS LOCATION.
 08 WELL SHUT IN.

LABEL: -----
 DAILY COST: 4703
 CUM COST: 113711
 DATE: 800820
 ACTIVITY: STATUS 8-19-80 STATUS: MAKE RIG REPAIRS.
 02 8-19-80 ACTIVITY: LAY DOWN TUBING . RIG DOWN. MAKE
 03 REPAIRS TO DERRICK AND DRAW WORKS. RIG UP. PREP TO RUN
 04 TBG. WASH PIPE AND MILL. S.D.O.N.

LABEL: -----
 DAILY COST: 4703
 CUM COST: 113711
 DATE: 800821
 ACTIVITY: 8-20-80 STATUS: PICK UP TUBING AND FISHING TOOLS-RIH
 02 8-20-80 ACTIVITY: RAN 6 IN. MILL TOOTH SHOE DOUBLE SET

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 332
ISSUED 10/10/80

03 OF GLOBE BASKETS ONE JNT. 6 IN. O.D. X 29 FT. WASH PIPE
04 BUMPER SUB JARS ON 2 7/8 IN. TUBING. RAN TUBING AND TOOLS TO
05 4500 FT. MIXED 300 BBLs. OF 9.8 LB./GAL MUD - PREP TO
06 CONDITION HOLE. S.D.L.O.N.

LABEL: -----
DAILY COST: 7670
CUM COST: 127861
DATE: 8-21-80
ACTIVITY: CONDITIONED HOLE WITH 9.8#/GAL. MUD - TAGGED FILL
02 AT 4702 - MILLED AND CIRCULATED TO 4729 - PULLED
03 TUBING AND TOOLS - RECOVERED 3 BIT CONES. RU
04 DIA-LOG - RAN CASING COLLAR LOCATOR LOG AND FOUND
05 FILL AT 4729 - COLLARS AT 4502 - 4544 - 4588 -
06 NO COLLARS FROM 4589 TO 4729 - ATTEMPTED TO RUN
07 MINIMUM I.D. LOG - FOUND MAX. O.D. OPENING AT
08 4607 FT. - UNABLE TO GET TOOL BELOW THIS POINT.
09 RD DIA-LOG. RAN IN HOLE WITH 3 1/2 IN. FLAT
10 BOTTOM MILL - ONE 3 1/8 IN. D.C. - 8 3/8 IN.
11 STRING MILL - 4 3/4 IN. D.C. - STABILIZER -
12 4 3/4 IN. D.C. - STABILIZER - 4 3/4 IN. D.C.
13 BUMPER SUB - JARS - FIVE 4 3/4 IN. D.C.S ON
14 2 7/8 IN. TUBING. CHANGED TOWER - HOLE STAYING
15 FULL OF 9.8#/GAL. MUD. ATTEMPTING TO MILL
16 BACK INSIDE 9 5/8 IN. CASING. INDICATIONS ARE
17 THAT DRILL STRING WAS OUTSIDE 9 5/8 IN. CASING.

LABEL: -----
DAILY COST: 11204/7200/7700
CUM COST: 139065/146265/153965
DATE: 8-22-23 AND 24-80
ACTIVITY: MILLED ON 9 5/8 IN. CASING FOR 10 HRS. ALL
02 INDICATIONS ARE THAT MILL IS KICKING OUTSIDE 9 5/8 IN.
03 CASING. CARRIED 2000# TENSION ON MILL. GETTING LOSS
04 CIRCULATION MATERIAL AND CEMENT IN RETURN PIT. TRIP OUT
05 OF HOLE. CHANGE TOWER. RAN IN HOLE WITH 8 1/2 IN. O.D.
06 FLAT BOTTOM MILL - 8 1/4 IN. O.D. STABILIZER - 7 IN. O.D. X
07 10 FT. DRILL COLLAR - 8 1/4 IN. O.D. STABILIZER - 4 3/4 IN.
08 O.D. X 31 FT. DRILL COLLAR - 8 1/4 IN. O.D. STABILIZER
09 ON 2 7/8 IN. TUBING - TAGGED TOP OF BAD 9 5/8 IN. CASING
10 AT 4590 FT. MILLING ON 9 5/8 IN. CASING. GOOD RETURNS.
11 HOLE STAYING FULL OF 9.6#/GAL. MUD. NO MUD LOSS.

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 332
ISSUED 10/10/80

12
13 8-23 - MILLED ON 9 5/8 IN. CASING 24 HRS. MILLED FROM
14 4590 TO 4725 FT. CHANGED TOWER. GETTING SOME METAL IN
15 MUD RETURNS. NO LOSS CIRCULATION MATERIAL OR CEMENT.
16
17 8-24 - MILL WORN. PULLED TUBING AND TOOLS. RAN 3 1/2 IN.
18 O.D. FLAT BOTTOM MILL - FIVE 3 1/8 IN. O.D. DRILL COLLARS -
19 STRING MILL - 4 3/4 IN. O.D. DRILL COLLAR - BUMPER SUB -
20 JARS - FIVE 4 3/4 IN. O.D. DRILL COLLARS ON 2 7/8 IN.
21 TUBING. TAGGED UP AT 4709. ROTATED TOOLS AND FELL FREE
22 TO 4717. MILLED FOR 1 HR. MADE 3 FT. OF HOLE. PULLED
23 TUBING AND TOOLS. RU DIALOG. RAN CASING COLLAR LOCATOR
24 AND TAGGED BOTTOM AT 4721. FOUND CASING COLLAR AT 4588
25 AND NO COLLARS FROM 4588 TO 4721. RD DIALOG. S.D.O.N.

LABEL: WELL COMPLETE - CAPABLE OF PRODUCTION
DAILY COST: 3300
CUM COST: 157265
DATE: 8-25 AND 26-80
ACTIVITY: 8-25 - LAY DOWN DRILL COLLARS - JARS - BUMPER SUB -
02 TOOLS AND 4800 FT. OF TBG. PREPARE TO MOVE. FINAL
03 REPORT ON THIS LOCATION.
04
05 8-26 - MOVE TO 1-29A3.

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 344
ISSUED 12/29/80

WELL: OMAN 1-484
 LABEL: FIRST REPORT
 FOREMAN: K. J. DESHOTEL
 RIG: WOKS#17
 OBJECTIVE: REPAIR 9 5/8 IN AND 7 IN. CSG RETURN WELL TO PROD.
 AUTH. AMNT: 150000
 DAILY COST: EST 7450
 CUM COST: EST 16000
 DATE: 10-13 AND 10-14 AND 10-15 AND 10-16-80
 ACTIVITY: 10-13-80 STATUS: MOVE RIG AND EQUIP. TO LOCATION.
 03 AS OF 10-13-80 IN JULY 29-1980 WESTERN #17 MOVED
 04 ON TO REPAIR 7 IN. CSG. AFE#593297 WAS PREPARED
 05 FOR THIS PURPOSE-7 IN CSG WAS PARTED AT 6679 FT.
 06 AND HAD BAD SPOT FORM 7175 FT. TO 7220 FT. 7 IN.
 07 CSG. WAS AT 7264 FT. PULLED AND LAYED DOWN 6700 OF
 08 7 IN. CSG. THE 9 5/8 IN CSG WAS FOUND TO BE BAD
 09 ATTEMPT WAS MADE TO GET BACK THROUGH 9 5/8 IN CSG.
 10 AND EVENTUALITY ENDED UP SIDE TRACKING HOLE AT 4588
 11 FT. THIS AFE # WHEN RECIEVED WILL PROVIDE FUNDS
 12 TO MAKE FINAL ATTEMPT AT REPAIRING 9 5/8 IN. AND
 13 7 IN. CSG. MOVE RIG AND EQUIP. FROM 1-386 TO LOCATION.
 14 AND RIG UP. S.D.O.N.
 15 10-14-80 STATUS: RUN TBG AND PREPARE TO CEMENT.
 16 10-14-80 ACTIVITY: REMOVE WELL HEAD AND INSTALL
 17 10 IN. BOPS. PICK UP 4600 FT. OF 2 7/8 IN. TBG.
 18 RIH AND TAG AT 4580 FT. HOOK UP RIG PUMP AND
 19 CIRCULATE HOLE GOT DOWN TO 4605 FT. SIDE TRACK
 20 HOLE AT 4588 FT. PULL UP TO 4500 FT. S.D.O.N.
 21 10-15-80 STATUS: CEMENT HOLE AT 4588 FT.
 22 10-15-80 ACTIVITY: RIH AND TAG AT 4605 FT. HOOK UP
 23 RIG PUMP-CIRCULATE HOLE -CLEANED OUT APPX. 33 FT. TO
 24 4638 FT. CONTINUE TO CIRCULATE HOLE UNTIL RETURNS
 25 WERE CLEAN. MIRU HALLIBURTON-PUMP 98 SACKS OF CLASS
 26 H CEMENT WITH FRICTION REDUCER WEIGHT OF CEMENT
 27 17.5 LBS PER GAL. RIG DOWN HALLIBURTON-PULL UP TO
 28 4000 FT AND REVERSE CEMENT OUT OF TBG. POOH AND LET
 29 CEMENT SET FOR APPX. 24 HRS.
 30 10-16-80 STATUS: MILL THROUGH CEMENT PER PROGNOSIS

LABEL: -----
 DAILY COST: EST 6650

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 344
ISSUED 12/29/80

CUM COST: EST22650
DATE: 10-16 AND 10-17-80
ACTIVITY: 10-16-80 STATUS: MILL THROUGH CEMENT PER PROGNOSIS.
02 10-16-80 ACTIVITY: STARTED WORKING RIG #17 24
03 HRS. PER DAY AS OF THIS DATE 10-16-80. MAKE UP
04 8 3/4 IN. CONCAVE MILL AND REST OF TOOLS PER
05 PROGNOSIS AND RIH TO 120 FT. ATTEMPTED FOR 1 HR.
06 TO WORK THROUGH TIGHT SPOT UNABLE TO GET MILL
07 THROUGH. POOH MAKE UP 8 3/4 IN. SWAGE AND RIH TO
08 120 FT. AND SWAGE OUT CSG. POOH MAKE UP 8 3/4 IN.
09 CONCAVE MILL AND REST OF TOOLS PER PROGNOSIS RIH
10 TO 4481 FT. AND TAG CEMENT TOP. PICK UP POWER
11 SWIVEL AND PUMP DOWN TBG. TO MAKE SURE TBG. IS CLEAR.
12 PUMP DOWN WELL GOING REVERSE AND STARTED MILLING.
13 1ST 45 FT. OF CEMENT WET. FROM 4481 FT. TO 4526 FT.
14 MILL FROM 4526 FT. TO 4570 FT. CEMENT HARD. CONTINUE
15 MILLING.
16 10-17-80 STATUS: CONTINUE MILLING.

LABEL: -----
DAILY COST: EST 8650
CUM COST: EST 31300
DATE: 10-17 AND 10-18-80
ACTIVITY: 10-17-80 STATUS: CONTINUE MILLING ON 9 5/8 IN.
02 CSG. AND CEMENT.
03 10-17-80 ACTIVITY: WOVES RIG #17 RUNNING 24 HRS.
04 PER DAY. UNABLE TO CONTINUE MILLING GOING REVERSE.
05 MIX 10.3 MUD VISCOSITY 55 AND CONDITION HOLE WITH
06 MUD CIRCULATE HOLE GOING CONVENTIONAL AND
07 STARTED MILLING. MILLED FROM 4570 FT. TO 4640 FT.
08 70 FT. GETTING CEMENT AND IRON CUTTINGS IN RETURNS.
09 LAST 2 HRS. OF MILLING ONLY MADE 2 FT. MILL
10 APPEARS TO BE WORN. POOH AND CHECK SAME.
11 10-18-80 STATUS: RIH WITH NEW MILL AND CONTINUE
12 MILLING.

LABEL: -----
DAILY COST: 8650
CUM COST: 39950
DATE: 10-18-80
ACTIVITY: POOH WITH TBG TOOLS AND MILL. BOTTOM OF MILL
02 HAD A 6 INCH RING GROOVE WORN IN IT. MAKE UP NEW

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 344
ISSUED 12/29/80

03 8-3/4 INCH CONCAVE MILL AND TOOLS PER PROGNOSIS
04 RIH TO 4640 FEET AND TAG. PICK UP POWER SWIVEL
05 ESTABLISH CIRCULATION GOING CONVENTIONAL AND
06 STARTED MILLING. MILLED FROM 4640 FEET TO
07 4665 FEET GETTING IRON CUTTINGS AND CEMENT IN
08 RETURNS. CONTINUE TO MILL.

LABEL: -----
DAILY COST: 13000
CUM COST: 52950
DATE: 10-19 AND 10-20-80
ACTIVITY: 10-19-80 ACTIVITY MILLED FROM 4665 FEET TO
02 4679 FEET. MILL FREE FROM 4679 FEET TO 4719
03 FEET (40 FEET) STARTED MILL AGAIN AND MILLED
04 12 FEET GETTING LOST CIRCULATION MATERIAL AND
05 SHALE IN RETURNS. PULLED OUT OF HOLE WITH
06 TUBING AND TOOLS. R.U. DIALOG. RAN COLLAR
07 LOCATOR. FOUND CASING COLLAR AT 4530 FEET AND
08 NO COLLARS FROM 4531 FEET TO 4716 FEET.
09 R.D. DIALOG. SDON.
10 10-20-80 ACTIVITY RAN 8-5/8 INCH BIT AND
11 DRILL STRING TO 4716 FEET. DRILLED FROM 4716
12 FEET TO 4776 FEET GETTING SHALE AND CEMENT IN
13 RETURNS. MADE 60 FEET IN 18 HOURS.

LABEL: -----
DAILY COST: 9750
CUM COST: 62700
DATE: 102180
ACTIVITY: 10-21-80 ACTIVITY: DRILLED TO 4780 FT. - CIRCULATED
02 HOLE CLEAN - PULLED TUBING AND DRILL STRING - RAN
03 8 3/4 IN. CONCAVE MILL - 3 - 14 FT. X 8 3/4 IN.
04 .O.D. SQUARE DRILL COLLARS 1-6 IN. O.D. X 31 FT.
05 DRILL COLLAR ON 2 7/8 IN. TUBING. TAGGED UP
06 @ 4595 FT. - STARTED MILLING WITH 2000# WEIGHT ON
07 MILL - MILLED FROM 4595 FT. TO 4664 FT. - 69 FT. -
08 IN 12 HOURS. 6:30 A.M. MILL AND DRILL STRING
09 TORQUE GETTING TO HIGH TO CARRY WEIGHT ON MILL -
10 MILLING WITH 1500# WEIGHT ON MILL - ANYMORE WEIGHT
11 ON MILL AND DRILL STRING WILL STOP ROTATING.
12 10-22-80 STATUS : CONTINUE MILLING

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 344
ISSUED 12/29/80

LABEL: -----
DAILY COST: 5150
CUM COST: 67850
DATE: 10-22 AND 10-23-80
ACTIVITY: 10-22-80 STATUS: MILLING
02 10-22-80 ACTIVITY: MILLED • 4664 FT. FOR 3 HRS.
03 BEFORE FALLING THROUGH. MILLED FROM 4664 FT. TO
04 4755 FT. IN 6 HRS. EASY GOING. MILLED FROM
05 4755 FT. TO 4780 FT. IN 4 HRS. GETTING SHALE AND
06 LOST CIRCULATION MATERIAL IN RETURNS. SHUT DOWN
07 MILLING OPERATIONS APPEAR TO BE MILLING OUTSIDE
08 OF CASING AGAIN. MADE A TOTAL OF 116 FT. THIS DATE.
09 PULL 1000 FT. OF 2 7/8 IN. TBG. S.D.O.N.
10 10-23-80 STATUS: P.O.O.H. WITH TBG. AND TOOLS

LABEL: -----
DAILY COST: 3950
CUM COST: 71800
DATE: 10-23 AND 10-24-80
ACTIVITY: 10-23-80 STATUS: P.O.O.H. WITH TBG AND TOOLS
02 10-23-80 ACTIVITY: P.O.O.H. WITH TBG. AND LAY DOWN
03 TOOLS - LOOKED • MILL NO INDICATION OF MILLING
04 ON PIPE - R.I.H. WITH 4600 FT. OF TBG. AND STAND
05 BY. SHUT DOWN RIG OPERATIONS.
06 10-24-80 STATUS: LAY DOWN TUBING AND RIG DOWN

LABEL: NONE
DAILY COST: 3450
CUM COST: 75250
DATE: 10-24-80
ACTIVITY: 10-24-80 STATUS: LAY DOWN TBG. AND RIG DOWN.
02 10-24-80 ACTIVITY: FINAL REPORT ON THIS LOCATION.
03 P.O.O.H. LAYING DOWN 4600 FT. OF TUBING RIG BACK
04 TO 4 IN. LINES ON BLOCK AND PREPARE TO MOVE TO 1-5B3
05 SHUT DOWN RIG OPERATIONS.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. PATENTED																				
2. NAME OF OPERATOR SHELL OIL COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																				
3. ADDRESS OF OPERATOR P.O. Box 831 HOUSTON, TX 77001 ATTN: P.G. GELLING RM. #6459 WCK		7. UNIT AGREEMENT NAME																				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1847' FNL & 1618' FEL SEC. 4		8. FARM OR LEASE NAME OMAN																				
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6465' KB	9. WELL NO. 1-484																				
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT ALTAMONT																				
<table border="0"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input checked="" type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table>		NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S1/4 NE1/4 T2S R4W
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:																				
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>																			
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>																			
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>																			
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>																				
		12. COUNTY OR PARISH DUCHESNE																				
		13. STATE UTAH																				

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED

OCT 20 1981

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: _____
BY: _____

18. I hereby certify that the foregoing is true and correct

SIGNED *W. F. N. Kelldore*
W. F. N. KELLDORE
(This space for Federal or State office use)

TITLE **DIVISION PROD. ENGINEER**

DATE **10-20-81**

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

Remedial Prognosis
Oman 1-4B4
Section 4, T2S, R4W
Duchesne County
Altamont Field, Utah

Pertinent Data:

Elevation (KB): 6465'

Elevation (GL): 6431'

TD: 14,000'

PBTD: 13,998'

Casing: 13-3/8", 68#, K-55 to 315'; 9-5/8", 40#, K-55, to 5997'; 7", 26#, S-95, 6658' to 7234' and 7264' to 11,923'

Liner: 5", 18#, N-80 and 500-95 hanger at 11,728', shoe at 13,998'.

Perforations: 11704'-13963' (612 holes)

Procedure

1. MIRU. Install and test BOPE as per field specs.
2. RIH with tubing and spot 120 sacks (25% excess) Class "H" cement in side-tracked hole (4531'-4780').
3. Spot 100 lineal foot plug (estimated 50 sacks, 25% excess of Class "H" cement) in 9-5/8" casing from 4531'-4430'.
4. Spot cement from 315' (13-3/8" shoe) to + 5' below surface in 9-5/8" casing (estimated 120 sacks of Class "H" cement). Base of plug must be at 315'.
5. RIH with 1" macaroni tubing and cement 9-5/8"-13-3/8" annulus from 315' (13-3/8" shoe) to + 5' below surface (estimated 100 sacks of Class "H" cement). Base of plug must be at 315'.
6. Cut 9-5/8" and 13-3/8" casings at + 5' below surface.
7. Lay down tubing and move out rig.
8. Weld 1/4" steel cover plate across 13-3/8". Restore surface location. Set abandoned well marker. Marker should be minimum 4" in diameter and not less than 10' in length, of which 4' shall be above the ground level, the remainder being securely embedded in cement. The top of the pipe must be permanently sealed.

NOTE: Cementing operations to be witnessed by state agency representative.


G. L. Thompson

5-4-81

Date

MEB:NLG

MEB

4-13-81

DKC
4-20-81

UW 3/23

SHELL OIL COMPANY
ROCKY MOUNTAIN DIVISION

REPORT DATE

Combination Incident Report and Leak Report for: (Circle all appropriate classifications); (Line Leak) Pollutant Spill, Blowout, Life-Threatening Injury, Loss Life, Fire, Explosion.

A. INCIDENT REPORT INFORMATION

Location: Field Altamont SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 4 T 2S R 4W
County Duchesne State Utah
Time of Incident: Date 11-8-81 Hour 8:00 AM

Nature and Cause of Incident:

Hole approximately 3/4" in diameter in pipe. Appears to be internal corrosion.

Environmental Damage or Personal Injury: Water from salt water line ran into "Big Hollow Creek," turning water to a light murky gray color in places. Have placed some absorbent blankets @ several places to try to filter stream.

Volume of Oil and/or Water Spilled: _____ Bbl. Oil Unknown Bbl. Water

Time To Control Or Cleanup: One hour after leak was reported to office, it was isolated and stopped leaking completely in approximately 2-3 hours after shut off.

Cleanup Status: Shouldn't be any cleanup after leak is repaired. Installed absorbent blankets @ several places downstream to try to filter what murky water there was from leak.

Action To Prevent Recurrence:

Welded patch over hole in pipe.

Data On Equipment Involved: Make or Manufacturer Tru-coate
Size 8" Working-Test Pressures 1440#
Date of Installation 1974 Type Use SWD system
Physical Damage 3/4" hole in pipe Repair Cost \$1500.00
Foreman's Charge Code 15263-F2-22-45-214

AGENCY NOTIFICATION LIST

EPA (Date & Name)
USGS (" ")
DEPT. OF HEALTH (Date & Name)

B. ADDITIONAL INFORMATION NEEDED FOR LINE LEAK MONTHLY REPORTS--USE EXPLANATION MEMO PROVIDED APRIL 10, 1980

Location: (1)* Approx. 1/4 mile SW of 1-4B4 Battery (1)* Approx. 3/4 mi. N. of 1-9B4 Battery
(Nearest Origin Point of Line) (Nearest Destination Point of Line)

Note: Use Well No., Station No., Water Well No., Section No. or Comments

Leak Occurred: 1/4 mile SW from 1-4B4 Battery
(feet) (Nearest Well, Plant, or Battery to Leak)

Use of Line: Main SWD Line Line Made of: Steel
(2)* (3)*

Source of Leak: Hole in pipe Terrain: Rocky bank of creek
(4)* (5)*

Replacement Cost _____ Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR <u>SHELL OIL COMPANY</u></p> <p>3. ADDRESS OF OPERATOR <u>P.O. Box 831 HOUSTON, TX 77001 ATTN: P.G. GELLING RM. # 6459 WCK</u></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>1847' FNL + 1618' FEL Sec. 4</u></p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <u>PATENTED</u></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME <u>OMAN</u></p> <p>9. WELL NO. <u>1-464</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>ALTA MOUNT</u></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>SW 1/4 NE 1/4 T25 R4W</u></p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>6465' KB</u></p>	<p>12. COUNTY OR PARISH <u>DUCHECNE</u></p> <p>13. STATE <u>UTAH</u></p>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE DIVISION PROD. ENGINEER DATE 1-21-82
W. E. N. KELLDORF

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 315
ISSUED 11/24/81

WELL: OMAN 1-4B4
 LABEL: FIRST REPORT
 AFE: AFE NO. 515716
 FOREMAN: K C LAROSE
 RIG: WOV NO. 12
 OBJECTIVE: PLUG AND ABANDON WELL
 AUTH. AMNT: \$3000
 DAILY COST: 2250
 CUM COST: 2250
 DATE: 11-12-81
 ACTIVITY: 11-12-81 STATUS: AFE NO. 515716 IS TO PROVIDE FUNDS
 02 TO PLUG AND ABANDON THE 1-4B4 AUTH AMOUNT IS \$3000
 03 DOLLARS FIRST REPORT
 04 11-12-81 ACTIVITY: MIRU BLEED WELL OFF TOOK PRODUCTION
 05 TREE OFF INSTALLED BOPS AND TESTED RIH WITH 27/8 IN.
 06 TRG 4800 SDON
 07 11-12-81 STATUS: PUMP CEMENT

LABEL: 811116
 DAILY COST: 17200
 CUM COST: 15750
 DATE: 11-13-14-81
 ACTIVITY: 11-13-81 ACTIVITY: HOOKED UP HALIBURTON LAYED A
 02 LINE TO THE PIT CLEANED MUD OUT OF THE HOLE TOOK
 03 8 HRS SPOTTED CEMENT @ 4531 FT. TO 4780 FT. PULLED
 04 UP THE HOLE SPOTTED CEMENT @ 4531 TO 4430 PUMPED
 05 FRESH WTR FOR DISPLACEMENT PULLED UP 1500 FT. SDON
 06 11-14-81 ACTIVITY: POOH LAYING DOWN 27/8 IN. TRG RIH
 07 W/1 IN. MACARONI TRG SPOTTED CEMENT @ 317 FT.
 08 SPOTTED CEMENT AS PROG CALLED FOR HAD WELDER CUT
 09 CSG WELDED MARKER ON FILLED CELLER WITH DIRT RIS
 10 THE RIG DOWN SDON

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals</p>		6. Lease Designation and Serial Number FEE
		7. Indian Allottee or Tribe Name
1. Type of Well		9. Well Name and Number
<input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		Shell Tenneco Oman 1-4B4
2. Name of Operator El Paso Production Oil & Gas Company		10. API Well Number 43-013-30108
3. Address of Operator P.O. Box 120, Altamont, UT 84001	4. Telephone Number 435-454-3394	11. Field and Pool, or Wildcat Altamont
5. Location of Well		
Footage : 1847' FNL & 1618' FEL County : Duchesne		
QQ, Sec. T., R., M : SWNE, Sec. 4, T2S, R4W, UBM State : Utah		

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
<p style="text-align: center;">NOTICE OF INTENT (Submit in Duplicate)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other <u>Replace wellhead marker</u></td> <td></td> </tr> </table> <p>Approximate Date Work Will Start <u>Upon approval</u></p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Replace wellhead marker</u>		<p style="text-align: center;">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Date of Work Completion _____</p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</small></p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction																										
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing																										
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion																										
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize																										
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare																										
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off																										
<input checked="" type="checkbox"/> Other <u>Replace wellhead marker</u>																											
<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction																										
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing																										
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize																										
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare																										
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off																										
<input type="checkbox"/> Other _____																											

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Lyle Oman, the land owner for the referenced well has requested that El Paso Production Oil & Gas Co. replace the monument marker for the well head with a plate marker to be buried under the ground. Mr. Oman is discontinuing flood irrigation and installing sprinklers. One of his pivots won't be able to rotate until the marker is replaced. This well was plugged in 1982 and replaced with the Oman 2-4B4. Lyle Oman is the land owner for both wells.

When approval is received, El Paso will notify Dennis Ingram with DOGM of the specific time and date so one of the state inspectors can be there.

14. I hereby certify that the foregoing is true and correct.

Name & Signature Margie Herrmann *Margie Herrmann* Title Regulatory Date 09/06/05

(State Use Only)

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY**

See Instructions on Reverse Side

RECEIVED
SEP 08 2005
 DIV. OF OIL, GAS & MINING

