

FILE NOTATIONS

Entered in MID File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief *P.W.B.*
Approval Letter *3.23.73*
Disapproval Letter

COMPLETION DATA:

Date Well Completed *7.26.73*

Location Inspected

OW..... IW..... TA.....

Bond released

GW..... OS..... PA.....

State or Fee Land

LOGS FILED

Driller's Log..... ✓

Electric Logs (No.)

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

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

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

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR Shell Oil Company (Rocky Mountain Div. Production)
Tenneco Oil and Chevron Oil Company

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 2485' FNL and 1203' FEL Sec 6
 At proposed prod. zone SUSENE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
5 miles W-SW of Altamont

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 1203' from sec line
 (Also to nearest drig. line, if any) 366' from property & use line

16. NO. OF ACRES IN LEASE
212

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
14,300'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6563 GL (Ungraded)

22. APPROX. DATE WORK WILL START*
3-30-73

5. LEASE DESIGNATION AND SERIAL NO.
Patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Crook

9. WELL NO.
1-6B4

10. FIELD AND POOL, OR WILDCAT
Altamont Dew.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE/4 NE/4 Section 6-T 2S-R 4W

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	68#	300±	250 SX
12 1/4"	9 5/8"	40#	7,000±	600 SX
8 3/4"	7"	26#	12,000±	250 SX
6 1/8"	5" liner	18#	14,300±	275 SX

As per attached certified survey plat and Summary of Mud System Monitoring Equipment, BOP Equipment and Mud. ✓

*Topographic
 Elevation
 139.3/139.4*

Carroll approval - 3-22-73 S.D.

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.

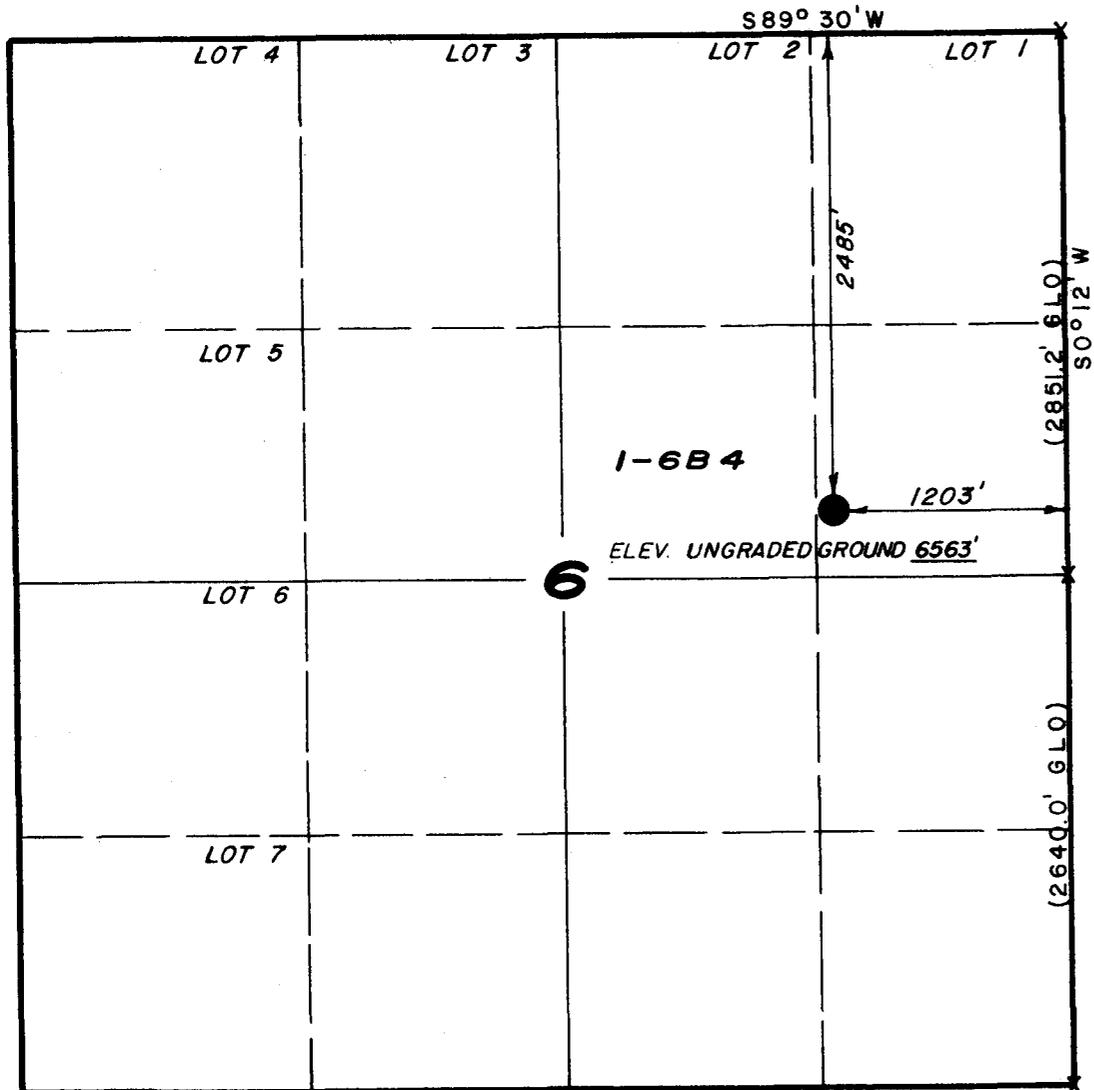
24. SIGNED K.R. Jordan TITLE Division Operations Engr. DATE March 21, 1973

(This space for Federal or State office use)
 PERMIT NO. 43-013-30213 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

T2S, R4W, U.S.B.&M.



PROJECT
SHELL OIL COMPANY

Well location, *I-6B4*, located as shown in the SE1/4 NE1/4 Sec. 6, T2S, R4W, U.S.B. & 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.

Sam Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

X = Corners Found & Used.

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

SCALE 1" = 1000'	DATE 15 January 1972
PARTY G.S., L.D.T., D.H., R.R. & M.H.	REFERENCES GLO Plat
WEATHER Cold	FILE Shell Oil Company

Mud System Monitoring Equipment

Equipment will be installed (with derrick floor indicators) and used throughout the period of drilling after setting and cementing intermediate string or upon reaching a depth at which abnormal pressures could occur.

BOP Equipment

0' - 300' - None
300' - TD - 3-ram type BOP's and 1 bag type
5,000# working pressure

Tested when installed. Operative every trip and tested to 5,000 psi every 14 days. All information recorded on Tour sheets and daily drilling wire.

Mud

Surface - 10,500' - Clear water
Circulate reserve pit
Flocculate as necessary

10,500' - TD - Weighted gel chemical

March 23, 1973

Shell Oil Company
1700 Broadway
Denver, Colorado 80202

Re: Well No's:
Crook #1-6B4,
Sec. 6, T. 2 S, R. 4 W,
Hunt #1-21B4,
Sec. 21, T. 2 S, R. 4 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 under Cause No. 139-3/139-4.

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: 328-5771

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 the above will be greatly appreciated.

The API numbers assigned to these wells are:

Crook #1-6B4;	43-013-30213
Hunt #1-21B4;	43-013-30214

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FREIGHT
DIRECTOR

CBF:sd

NOV 19 1973

[Handwritten initials]

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

5. LEASE DESIGNATION AND SERIAL NO.

Patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Crook

9. WELL NO.

1-6B4

10. FIELD AND POOL, OR WILDCAT

Altamont

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SE/4 NE/4 Section 6-T 2S-R 4W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

2. NAME OF OPERATOR Shell Oil Company (Rocky Mtn Div. Production) Tenneco, LVO Corp.

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 2485' FNL and 1203' FEL Sec 6

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-013-30213 DATE ISSUED 3-23-73

15. DATE SPUNDED 4-1-73 16. DATE T.D. REACHED 6-7-73 17. DATE COMPL. (Ready to prod.) 7-26-73 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6563 GL, 6592 KB 19. ELBV. CASINGHEAD 31.75'

20. TOTAL DEPTH, MD & TVD 14,095 21. PLUG, BACK T.D., MD & TVD 14,075 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → Total 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Wasatch and Flagstaff perms 11,757-13,902

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, BHCS-GR w/cal, FDC-CNL, CBL and VDL 27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well) Table with columns: CASINO SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED

29. LINER RECORD Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD) 30. TUBING RECORD Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED

As per attachments

33.* PRODUCTION Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL-BBL., GAS-MCF., WATER-BBL., GAS-OIL RATIO, FLOW. TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL-BBL., GAS-MCF., WATER-BBL., OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel on lse, some sold to Mtn Fuel and some 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 [Signature] TITLE Division Operations Engr. DATE Oct. 29, 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D)
14,095' Wasatch Test
KB 6592'
5" liner @ 14,094'

TD 14,095. PB 14,075. SI. OIL WELL COMPLETE. On
24-hr test 8/4/73, flwd 928 BO, 12 BW and 926 MCF gas
on 12/64" chk w/3200 psi FTP and zero CP from Wasatch
and Flagstaff perfs 11,757, 11,758, 11,792, 11,793,
11,794, 11,795, 11,796, 11,797, 11,798, 11,803, 11,804,
11,805, 11,806, 11,807, 11,818, 11,819, 11,820, 11,821,
11,905, 11,906, 11,907, 11,908, 12,051, 12,052, 12,053,
12,125, 12,126, 12,127, 12,128, 12,162, 12,163, 12,164,
12,370, 12,371, 12,372, 12,373, 12,507, 12,508, 12,509,
12,510, 12,511, 12,705, 12,706, 12,707, 12,708, 12,709,
12,710, 12,803, 12,804, 12,805, 13,066, 13,067, 13,068,
13,265, 13,266, 13,267, 13,268, 13,288, 13,289, 13,290,
13,291, 13,418, 13,419, 13,420, 13,421, 13,532, 13,533,
13,534, 13,535, 13,565, 13,566, 13,567, 13,568, 13,646,
13,647, 13,648, 13,649, 13,650, 13,692, 13,693, 13,731,
13,732, 13,733, 13,742, 13,743, 13,744, 13,745, 13,759,
13,760, 13,835, 13,836, 13,837, 13,849, 13,850, 13,851,
13,852, 13,899, 13,900, 13,901, 13,902.

Oil Gravity: 46.2° API @ 60°F.

Compl Test Date: 8/4/73. Initial Prod Date: 7/26/73.

Elev: 6592 KB

Log Tops: TGR₃ 9,860 (-3268)

AUG 13 1973

M₁ 11,056 (-4464)

This well was drilled for routine development.
FINAL REPORT.

CASING AND CEMENTING

Field Altamont Well Crook 1-6B4

Job: 9 5/8 " O.D. Casing Ran to 7126 feet (KB) on 4-17, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						KB	CHF 31.75
						CHF	

171 40# K-55 ST&C X 7133 7126

171 jts Total Float at 7042.62

Casing Hardware:

Float shoe and collar type Bkr float Type "G" reg shoe

Centralizer type and product number 3 Baker

Centralizers installed on the following joints 7118.78, 7083.58, 7000.92

Other equipment (liner hanger, D.V. collar, etc.) _____

Cement Volume:

Caliper type 30 . Caliper volume _____ ft³ + excess over caliper

_____ ft³ + float collar to shoe volume _____ ft³ + liner lap _____ ft³

+ cement above liner _____ ft³ = _____ ft³ (Total Volume).

Cement:

Preflush-Water 30 bbls, other _____ Volume _____ bbls

First stage, type and additives 247 sx Class "G" plus BJ lite, 1% R-5

_____ . Weight 12.0 lbs/gal, yield 3.04

ft³/sk, volume 247 sx. Pumpability 4 hours at 150 °F.

Second stage, type and additives 149 sx Class "G", .2% R-5

_____ . Weight 15.8 lbs/gal, yield 1.14

ft³/sk, volume 149 sx. Pumpability 4 hours at 150 °F.

Cementing Procedure:

~~Rotate~~/reciprocate Reciprocated

Displacement rate 8 B/M

Percent returns during job None

Bumped plug at _____ AM/PM with _____ psi. Bled back _____ bbls. Hung csg

with _____ lbs on slips.

Remarks:

Plug overdisplaced 5 bbls, float held. No returns. CIP 4:30 PM 4-17-73.

Did
not

Drilling Foreman Dick Landers

Date 4-17-73

CASING AND CEMENTING

Field Altamont Well Crook 1-6B4

Job: 7" O.D. Casing/liner Ran to 11,849 feet (KB) on 5-11, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
					31	KB	CHF
50	26#	S-95	8rd		2200 [±]	CHF	
231	26#	YS-95	8rd		9618 [±]		
<u>281 jts Total</u>							

Casing Hardware:

Float shoe and collar type Bkr Model "G" diff fill shoe and Bkr Model "G" diff fill collar
 Centralizer type and product number Bkr
 Centralizers installed on the following joints Shoe every 80' (3 centralizers)
 Other equipment (liner hanger, D.V. collar, etc.) _____

Cement Volume:

Caliper type _____ Caliper volume _____ ft³ + excess over caliper _____
 _____ ft³ + float collar to shoe volume _____ ft³ + liner lap _____ ft³
 + cement above liner _____ ft³ = _____ ft³ (Total Volume).

Cement:

Preflush—Water 18 bbls, other _____ Volume _____ bbls
 First stage, type and additives 450 cu ft BJ lite Weight 12.9 lbs/gal, yield _____
 ft³/sk, volume _____ sx. Pumpability 4 hours at 220 °F.
 Second stage, type and additives 150 cu ft Class "G" treated w/1% D-31 Weight 15.8 lbs/gal, yield _____
 ft³/sk, volume _____ sx. Pumpability 4 hours at 220 °F.

Cementing Procedure:

Rotate/reciprocate Reciprocated
 Displacement rate 5 1/2 B/M
 Percent returns during job 0
 Bumped plug at _____ AM/PM with _____ psi. Bled back 3 bbls. Hung csg
 with 220,000 lbs on slips.

Remarks:

No mud returns running pipe and cementing

Drilling Foreman H. W. Curtis
 Date 5-13-73

CASING AND CEMENTING

Field Altamont Well Crook 1-6B4

Job: 5 " O.D. ~~Casing~~ Liner. Ran to 14,094 feet (KB) on 6-11, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						KB	CHF
						CHF	
39	18#	N-80	Hydril SFJP	X	1,643.54	11,649.00	13,292.54
19	18#	S00-95	"	X	801.46	13,292.54	14,094.00
58 jts Total							

Casing Hardware:

Float shoe and collar type Halliburton self-fill super seal
 Centralizer type and product number 24 B & W
 Centralizers installed on the following joints 5-6-8-11-14-17-20-23-26-29-32-35-38-41-44-47-50-53-56-59-61
 Other equipment (liner hanger, D.V. collar, etc.) _____

Cement Volume:

Caliper type FDC. Caliper volume 293 ft³ + excess over caliper
13 ft³ + float collar to shoe volume 13 ft³ + liner lap 14 ft³
 + cement above liner 43 ft³ = 436 ft³ (Total Volume).

Cement:

Preflush-Water 10 bbls, other _____ Volume _____ bbls
 First stage, type and additives 300 sx Class "G" containing 30% silica flour, 1.5% D-31, .5% R-5. Weight _____ lbs/gal, yield _____
 ft³/sk, volume 291 sx. Pumpability 4 hours at 265 °F.
 Second stage, type and additives _____ . Weight _____ lbs/gal, yield _____
 ft³/sk, volume _____ sx. Pumpability _____ hours at _____ °F.

Cementing Procedure:

Rotate/reciprocate Reciprocated
 Displacement rate 3.5 B/M
 Percent returns during job 100
 Stopped bump plug at 5:30 AM/PM with 1300 psi. Bled back 1/4 bbk. Hung csg with 30,000 lbs on slips.

Remarks:

Good returns throughout cementing.

Drilling Foreman K. L. Payne
 Date 6-13-73

OIL WELL

ALTAMONT

SHELL OIL COMPANY-TENNECO-
LVO-

LEASE

CROOK

WELL

1-6B4

FROM: 4-2 - 8-13-73

DIVISION

ROCKY MTN

ELEV

6592 KB

COUNTY

DUCHESE

STATE

UTAH

UTAHALTAMONT

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test

"FR" 150/60/1/150. Drilling.
Located 2485' FNL and 1203' FEL (SE/4 NE/4) Section 6-
T2S-R4W, Duchesne County, Utah.
Elev: 6563 GL (ungraded)
Shell Working Interest: 48.53%
This is a routine Wasatch development test.
Spudded 17-1/2" hole @ 10 PM, 4/1/73. Dev: 1/2° @ 120'.
Mud: (gradient .436) 8.4 x 60 x 28

APR 2 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
13-3/8" csg @ 357'

358/60/2/208. WOC. Dev: 3/4° @ 311. Ran 8 jts of
13-3/8", 64#, ST&C csg (362.35') to 357' and cmtd w/
440 sx Class "G" containing 2% CaCl₂. Circ prior to
cmtg. Good returns throughout cmt job. Cmt circ.
Plug down @ 6:45 AM, 4/3/73. Baffle plate @ 316'
Mud: (gradient .436) 8.4 x 60 x 2.8

APR 3 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
13-3/8" csg @ 357'

358/60/3/0. Nippling up BOP's. APR 4 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
13-3/8" csg @ 357'

1060/60/4/702. Drilling. Finished nippling up BOP's.
CO cmt and shoe. APR 5 1973
Mud: Wtr

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
13-3/8" csg @ 357'

2005/60/5/945. Drilling. Dev: 1 1/4° @ 1518'.
Mud: Wtr APR 6 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
13-3/8" csg @ 357'

4/7: 2805/60/6/800. Drilling. Tripped for new bit
@ 2385. Washed and reamed from 2275-2385.
4/8: 3411/60/7/606. Tripping for new bit. Dev: 1 1/4°
@ 2385 and 1° @ 2840. Changed bit @ 2883.
4/9: 3860/60/8/449. Drilling. RU to drill w/air.
Mud: Wtr APR 9 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
13-3/8" csg @ 357'

4494/60/9/634. Drilling. APR 10 1973
Mud: Wtr

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
14,100' Wasatch Test
13-3/8" csg @ 357'

5028/60/10/534. Drilling. APR 11 1973
Mud: Wtr

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
13-3/8" csg @ 357'

5468/60/11/440. Drilling.
Mud: Wtr APR 12 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
13-3/8" csg @ 357'

5977/60/12/509. Tripping for new bit. APR 13 1973
Mud: Wtr

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
13-3/8" csg @ 357'

4/14: 6285/60/13/308. Drilling. Dev: 1° @ 5942.
Made SLM @ 5976 - no correction. Had 40' of fill.
Mud: (.431) 8.3
4/15: 6500/60/14/215. Drilling. Tripped for bit @
6363; washed to btm.
Mud: (.431) 8.3
4/16: 6925/60/15/425. Drilling. APR 16 1973
Mud: (.431) 8.3

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
13-3/8" csg @ 357'

7126/60/16/201. Running 9-5/8" csg. Dev: 1¼° @ 7079.
Circ 4-3/4 hrs, short tripped and tripped out to run
csg.
Mud: (.431) 8.3 APR 17 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

7126/60/17/0. Nippling up. Ran 171 jts 9-5/8", 40#,
K-55 csg (7133') w/shoe @ 7126 and float @ 7043.
Centralizers @ 7119, 7083 and 7001. Cmtd in two stages
as follows: 1st stage: 247 sx Class "G" B-J lite w/1%
R-5 (slurry 12.0 ppg); 2nd stage: 149 sx Class "C"
w/0.2% R-5 (slurry 15.8 ppg). Did not bump plug. Over-
displaced 5 bbls, float held. No returns. CIP @ 4:30 PM,
4/17. Washed 80' to btm w/csg. APR 18 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

7126/60/18/0. Nippling up. APR 19 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

4/20: 7410/60/19/284. Drilling. Tested BOP stack, OK.
Tested csg to 1500 psi for 15 min, OK. CO cmt from 6950
to 7126.

4/21: 7810/60/20/400. Drilling. Dev: 1 $\frac{1}{2}$ $^{\circ}$ @ 7786.
Changed bit @ 7786.

4/22: 8400/60/21/590. Drilling. APR 23 1973

4/23: 8860/60/22/460. Drilling. Dev: 2 $^{\circ}$ @ 8585.
Changed bit @ 8585. Cmtd 13-3/8" x 9-5/8" annulus w/300
sx Class "G" cmt blended w/3% CaCl₂, zero press.
Mud: Wtr

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

9565/60/23/705. Drilling. APR 24 1973
Mud: (.431) 8.3 x 28

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

10,105/60/24/540. Drilling. Dev: 1-3/4 $^{\circ}$ @ 9605.
Worked stuck pipe loose. Reamed from 9500-9605 w/new
bit. Changed bit @ 9605. APR 25 1973
Mud: (.431) 8.3 x 29

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

10,556/60/25/451. Drilling.
Mud: (.452) 8.7 x 35 x 22.4 (7#/bb1 LCM) APR 26 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

10,886/60/26/330. Circ out strong show. Circ out
flow through chk 5 $\frac{1}{2}$ hrs. ISIP's - zero on DP and
annulus. APR 27 1973
Mud: (.483) 9.3 x 35

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

4/28: 11,005/60/27/119. Drilling. Circ on chk and built mud vol 8 hrs. Lost 775 bbls mud last 24 hrs.
Mud: (.520) 10 x 43 x 6.2 (12#/bbl LCM)
4/29: 11,245/60/28/240. Drilling. Lost 110 bbls mud past 24 hrs. Background gas: 8-10 units. Connection gas: 12-20 units.
Mud: (.525) 10.1 x 42 x 4.8 (11.5#/bbl LCM) APR 30 1973
4/30: 11,404/60/29/159. Tripping for new bit. Circ btms up and sptd LCM pill. Lost 500 bbls mud past 24 hrs. Background gas: 20 units. Connection gas: 120 units.
Mud: (.546) 10.5 x 44 x 5.8 (13.75#/bbl LCM)

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

11,420/60/30/16. Drilling. Slowly tripped in w/dia bit, losing mud. Washed and reamed 70' to btm, losing mud. Lost circ. Built and pumped pills. Attempted to drill. Bit press'd up due to LCM - shook out same. Now drlg w/full returns. Lost 1035 bbls mud last 24 hrs. Background gas: 20-40 units. Connection gas: 80 units.
Mud: (.546) 10.5+ x 42 x 5.3 (11.5#/bbl LCM) MAY 1 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

11,434/60/31/14. Losing circ. Lost circ after drlg 2½ hrs. Sptd total of 5 LCM pills and pulled 70 stds of pipe. At report time, have 23% flow but improving. Now circ w/bit @ 4910. Background gas: 10-15 units.
Mud: (.546) 10.5 x 42 x 5.4 (11.5#/bbl LCM) MAY 2 1973

Shell-Tenneco-LVO
Corp.-Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

11,437/60/32/3. Drilling. Built mud vol and pulled 70 stds DP. Circ hole and ran back in w/70 stds. Sptd hvy pill and tripped out. Tripped in w/reamer slowly, breaking circ @ 7126, losing mud. Cont'd tripping in slowly, breaking circ @ 9500', losing mud. Tripped to btm. Hole stable at report time, losing no mud. Lost 1150 bbls mud last 24 hrs. Background gas: 6 units.
Trip gas: 1100 units.
Mud: (.546) 10.5 x 40 x 8.2 MAY 3 1973
Addition to 5/2 report: Lost 1250 bbls mud last 24 hrs.

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9 5/8" csg at 7126'

11,470/60/33/33 Tripping. Spotted LCM pills.
Mud: (.555) 10.7 x 41 x 7.4 (LCM 14.7%) MAY 4 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

5/5: 11,537/60/34/67. Drilling. Lost 920 bbls mud last 24 hrs.
Mud: (.565) 10.9 x 48 x 11.8 (31#/bbl LCM)
5/6: 11,570/60/35/33. Circ @ 10,000'. Lost circ @ 11,566. Pmpd LCM pills. Pulled out of hole, cut drlg line and staged in @ 7100', 8500' and 10,000'. Lost 1055 bbls mud last 24 hrs.
Mud: (.561) 10.8 x 40 x 14.8 (32.8#/bbl LCM)
5/7: 11,661/60/36/91. Drilling. Regained circ @ 10,000'±. Circ - well started flowing w/zero DP and annulus press. Attempted to circ, losing circ. Ran to btm and established circ. Drld w/reduced pump w/no mud loss. Background gas: 3 units. Trip gas: 100 units. Lost 500 bbls mud last 24 hrs.
Mud: (.565) 10.9 x 42 x 13.2 (26.3#/bbl LCM) MAY 7 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

11,743/60/37/82. Drilling. Well flowed 10 bbls prior to tripping for new bit @ 11,725. Lost 29 bbls on trip. Lost 75 bbls mud last 24 hrs. Trip gas: 65 units. MAY 8 1973
Background gas: 3 units. Connection gas: 30 units.
Mud: (.561) 10.8 x 44 x 12.2 (18.5#/bbl LCM)

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

11,850/60/38/107. Pulling out to log. Short tripped. Circ btms up and started pulling out. Logged 75 units gas.
Mud: (.565) 10.9 x 46 x 10.3 (12.3#/bbl LCM) MAY 9 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

11,850/60/39/0. Attempting to regain circ. Ran DIL, BHCS-GR w/cal and FDC-CNL logs from 7126-11,850. Lost circ while tripping in after logging. Lost 300 bbls mud past 24 hrs.
Mud: (.565) 10.9 x 42 x 10.2 (13.7#/bbl LCM) MAY 10 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
9-5/8" csg @ 7126'

11,850/60/40/0. Running 7" csg. Strapped out of hole - unable to regain circ. RU and started running csg. Lost 600 bbls mud last 24 hrs.
Mud: (.566) 10.9 x 43 (12.2#/bbl LCM) MAY 11 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

5/12: 11,850/60/41/0. Testing BOP. Finished running total of 281 jts 7", 26#, S-95 csg w/Baker Model "G" diff fill shoe @ 11,849, Baker diff fill collar @ 11,764. Cmtd w/450 cu ft B-J Lite followed by 150 cu ft Class "G" treated w/1% D-31. No mud returns while running csg or cmtg. Nippled up BOP's.

5/13: 11,850/60/42/0. Laying down DC's. Tested BOP stack, chk manifold and mud lines to 5000 psi and hydril to 3000 psi, OK.

5/14: 11,852/60/43/2. Drilling. Tested csg to 3500 psi for 15 min, OK. Drld cmt from 11,759-11,849. MAY 14 1973
Mud: (.592) 11.4 x 44 x 4.8 (5.6#/bbl LCM)

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

11,901/60/44/49. Drilling. Tripped for bit @ 11,852, washing to btm. Background 8-10 units. No mud loss.
Mud: (.592) 11.4 x 38 x 12.8 (5.1#/bbl LCM) MAY 15 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

11,987/60/45/86. Drilling. Tripped for new bit @ 11,918, washing to btm. No mud loss. Background gas: 12 units. Trip gas: 20 units.
Mud: (.603) 11.6 x 42 x 10.4 (4.3#/bbl LCM) MAY 16 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

12,135/60/46/148. Drilling. Background gas: 2 units. Connection gas: 10-30 units.
Mud: (.608) 11.7 x 43 x 12.8 (4.5#/bbl LCM) MAY 17 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

12,250/60/47/115. Drilling. MAY 18 1973
Mud: (.608) 11.7+ x 40 x 10

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg at 11,849'

5/19: 12,338/60/48/88 Tripping.
Mud: (.615) 11.8 x 48 x 4.1 (LCM 5.2)

5/20: 12,489/60/49/151 Drilling.
Mud: (.622) 11.9 x 51 x 1.3 (LCM 4.8) (Oil Trc)

5/21: 12,650/60/50/161 Drilling. Worked on pump. Lost #1 light plant. Trip gas 700 units, background 8 units, connectim 15 units.

Mud: (.635) 12.2 x 48 x 2.2 (LCM 4.8) MAY 21 1973

Shell-Tenneco-LVO Corp.- 12,730/60/51/80 Drilling. No trip gas. BG gas -
Crook 1-6B4 10 units.
(D) Parker #117 Mud: (.655) 12.6 x 48 x 40 (LCM 4.7) MAY 22 1973
14,100' Wasatch Test
7" csg at 11,849'

Shell-Tenneco-LVO Corp.- 12,884/60/52/154 Drilling. BG gas 8 units.
Crook 1-6B4 Mud: (.700) 13.5 x 48 x 4.2 (LCM 5.14) MAY 23 1973
(D) Parker #117
14,100' Wasatch Test
7" csg at 11,849'

Shell-Tenneco-LVO Corp.- 12,976/60/53/92 Drilling. Unplugged mud line,
Crook 1-6B4 packed swivel and serviced rig. Drld show at
(D) Parker #117 12,912 - 320 units. BG gas 15-30 units, conn - DT
14,100' Wasatch Test 4000 units (2 hrs).
7" csg at 11,849' Mud: (.735) 14.2 x 45 x 4.2 (LCM 5.2) MAY 24 1973

Shell-Tenneco-LVO Corp.- 13,055/60/54/79 Drilling. Repaired guards on block.
Crook 1-6B4 Trip gas 4000 units, BG 15-30 units, connection - 180
(D) Parker #117 units.
14,100' Wasatch Test Mud: (.750) 14.4 x 46 x 4.4 (LCM 4.8#) MAY 25 1973
7" csg at 11,849'

Shell-Tenneco-LVO Corp.- 5/26: 13,190/60/55/135. Well on chk. Repaired guards
Crook 1-6B4 on blocks and serviced rig. Resumed drlg. Well on chk
(D) Parker #117 1 hr. No mud loss last 24 hrs.
14,100' Wasatch Test Mud: (.764) 14.7+ x 45 x 4.5 (5#/bbl LCM)
7" csg @ 11,849' 5/27: 13,205/60/56/15. Prep to spot LCM pill. ISIP
on DP zero, on annulus 800 psi. Circ out kick w/15 ppg
mud through chk and flared gas and oil to burn pit. No
DP response throughout operation. Circ and cond mud and
drld 15' - hole sloughing and bridging from 13,150-13,205.
Well started flowing. ISIP on DP zero and 100 psi on
annulus. Circ out GCM w/mud cutting from 15 to 9.1 ppg.
Lost circ after establishing 15.2 ppg returns. Sptd LCM
pills and regained circ. Circ and cond 15.2-15.3 ppg
mud 2 hrs. Mud started gas cutting, circ out same.
Lost circ after circ 15.3 ppg mud 1 hr and 20 min. Lost
1000 bbls mud last 24 hrs.
Mud: (.800) 15.4 x 46 x 4.4 (11.2#/bbl LCM) (6% oil) MAY 29 1973
(Continued)

(Continued)

5/28: 13,205/60/57/0. Spotting LCM pills. Sptd pills as follows:

<u>Pill</u>			<u>Setting</u>
<u>No.</u>	<u>Type Pill (Walnut Hull Blend)</u>	<u>Returns</u>	<u>Time</u>
1	10#/bbl fine, 10#/bbl med	Partial	1 hr
2	10#/bbl fine, 10#/bbl med	Partial	1 hr
3	10#/bbl fine, 25#/bbl med, and 25#/bbl coarse	Partial	1 hr
4	10#/bbl fine, 25#/bbl med, and 25#/bbl coarse	Partial	2 hrs
5	10#/bbl fine, 25#/bbl med, and 25#/bbl coarse	Partial	4 hrs

Pulled into shoe and sptd last pill.

6 10#/bbl fine, 24#/bbl med,
and 35#/bbl coarse

Lost 1140 bbls mud last 24 hrs.

Mud: (.795) 15.3 x 44 x 5.8 (16.7#/bbl LCM) (7% oil)

5/29: 13,205/60/58/0. Staging to btm - have full returns w/reduced pump rate. Waited on LCM pill 3 hrs. Pulled 25 stds and built wt. Pmpd w/partial to full returns. SI well to check for flow. Reran 25 stds, 5 stds @ a time slowly and circ 30 min between each 5 stds. Circ btms up from csg shoe. Regained full returns. Ran in singles slowly, staging to btm w/full returns w/reduced pump rate. Presently 15 jts off btm. Background gas: 150 units. Downtime gas: 2400 units. Lost 200 bbls mud last 24 hrs. MAY 29 1973

Mud: (.790) 15.2 x 48 x 8.8 (9.6#/bbl LCM) (4% oil)

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

13,249/60/59/44. Drilling. Staged to btm and circ prior to drlg ahead. Drld 17 hrs @ reduced pump rate w/hole remaining stable. No mud loss. Background gas: 35 units. Connection gas: 600 units. MAY 30 1973
Mud: (.790) 15.2 x 48 x 6 (6.9#/bbl LCM) (2% oil)

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

13,330/60/60/81. Drilling. Background gas: 35-45 units. Connection gas: 900 units. No mud loss.
Mud: (.790) 15.2 x 44 x 4 (4.5#/bbl LCM) MAY 31 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

13,420/60/61/90. Drilling. Checked for flow. Well flows when strokes are decr or pump is off. When strokes incr or pump engaged, hole takes fluid until it stabilizes. Background gas: 7 units. Connection gas: 65 units. No mud loss. JUN 1 1973
Mud: (.790) 15.2 x 46 x 4.8 (5.2#/bbl LCM)

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

6/2: 13,501/60/62/81. Prep to trip out for bit. Circ btm's up. Background gas: 10 units. Connection gas: 60-145 units. No mud loss.
Mud: (.795) 15.3 x 48 x 4 (5.3#/bbl LCM)
6/3: 13,568/60/63/67. Drilling. Tripped in w/new bit, breaking circ @ shoe of 7" csg. Circ and washed to btm. Circ out 185 units trip gas. Background gas: 4 units.
Mud: (.795) 15.3 x 48 x 4.0 (6#/bbl LCM)
6/4: 13,710/60/64/142. Drilling. Background gas: 5 units. Connection gas: 100 units. JUN 4 1973
Mud: (.795) 15.3 x 47 x 4.0 (6#/bbl LCM)

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

13,751/60/65/41. Circ and cond mud. Tripped out w/bit plugged w/carbide-unplugged same. Tripped in making SLM - no correction. Broke circ @ shoe and washed 60' to btm. Circ and cond mud 2½ hrs. Lost 75 bbls mud while circ. Mixed LCM pill consisting of 15#/bbl walnut hulls. JUN 5 1973
Mud: (.795) 15.3 x 50 x 4.2 (5.2#/bbl LCM)

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

13,842/60/66/91. Drilling. Circ and cond mud and hole 1 hr. Background gas: 8 units. Connection gas: 25 units. JUN 6 1973
Mud: (.795) 15.3 x 47 x 4.4 (5.6#/bbl LCM)

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
7" csg @ 11,849'

13,962/60/67/120. Drilling. Background gas: 7 units. Connection gas: 30 units. Downtime gas: 100 units (repack swivel). JUN 7 1973
Mud: (.795) 15.3 x 47 x 4.2 (5.5#/bbl LCM)

Shell-Tenneco-LVO Corp.- 14,100/60/68/138. Prep to trip out to log. Reached
Crook 1-6B4 TD @ 5 AM, 6/8. Circ 1 hr. Background gas: 4-5 units.
(D) Parker #117 Connection gas: 30 units. No mud loss.
14,100' Wasatch Test Mud: (.795) 15.3 x 48 x 4.0 (5.2#/bbl LCM) JUN 8 1973
7" csg @ 11,849'

Shell-Tenneco-LVO Corp.- 6/9: 14,095/60/69/0. Logging. Ran DIL from 11,849-
Crook 1-6B4 14,095. Ran CNL-FDC - FDC failed. Reran CNL-FDC -
(D) Parker #117 FDC failed. Ran BHCS w/cal - could not get below
14,100' Wasatch Test 12,993. Presently prep to make cond run. Strapped
5" liner @ 14,094' out making SLC: 14,100 = 14,095.
Mud: (.795) 15.3 x 48 x 4.0 (5.2#/bbl LCM)
6/10: 14,095/60/70/0. Logging. Pulled logging tool.
Tripped in and CO 5½ hrs. Reamed tight hole from
12,700-13,000. Circ out 85 units trip gas. Circ btms
up. Made 16-std short trip. Circ and cond hole 3 hrs.
Tripped out to log. Ran BHCS w/cal - tool sticking @
13,605-13,050. No mud loss.
Mud: (.795) 15.3 x 47 x 4.1 (5#/bbl LCM)
6/11: 14,095/60/71/0. Pulling out of hole. Ran BHCS
w/cal from 14,095-11,849. Ran 58 jts 5" hydril SFJ-P
18# liner as follows: 19 jts S00-95 and 39 jts N-80.
Circ liner prior to cmtg w/300 sx Class "G" containing
30% silica flour, 1.5% D-31 and 0.05% R-5 (slurry vol
78 bbls). Good returns throughout cmtg. Tieback sleeve
@ 11,648, float collar @ 13,964, btm of liner @ 14,094.
Mud: (.795) 15.3 x 47 x 4.1 (5#/bbl LCM) JUN 11 1973

Shell-Tenneco-LVO Corp.- 14,095/60/72/0. Drlg cmt @ 11,558. Tripped out and
Crook 1-6B4 WOC 9½ hrs. Tripped in, tagging top of cmt @ 10,990.
(D) Parker #117 Drld firm cmt from 10,990-11,558. No mud loss. JUN 12 1973
14,100' Wasatch Test Mud: (.795) 15.3 x 47 x 4.6 (4.2#/bbl LCM)
5" liner @ 14,094'

Shell-Tenneco-LVO Corp.- 14,095/60/73/0. Drlg cement at 14,021. Drld cem from
Crook 1-6B4 11,558-11,648. Tested liner lap, ok. Tripped out w/
(D) Parker #117 6 1/8" mill. Picked up small drill string. Tripped
14,100' Wasatch Test in slowly and tagged tie-back at 11,648. Drld cement
5" liner at 14,094' in top of liner, tripped in slowly, and tagged cement
at 13,940. Drlg hard cement JUN 13 1973
Mud: (.795) 15.3 x 45 x 4.8 (LCM 2.5)

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Parker #117
14,100' Wasatch Test
5" liner @ 14,094'

14,095/60/74/0. Laying down DP, prep to install Xmas tree. Drld cmt 3 hrs. Tested csg to 1250 psi, OK. Circ hole 1 hr and pulled out, laying down DP. Picked up and ran pkr to 11,550: Made inflow test, OK. Reversed wtr out of DP and RD control hd. Started laying down DP and press testing @ 10,300, 8240, 6180, 4120 and 2060, OK.
Mud: (.795) 15.3 x 45 x 4.8 (2.5#/bbl LCM)
JUN 14 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D)
14,095' Wasatch Test
5" liner @ 14,094'

TD 14,095. Prep to RDRT. Laid down DP and DC's. Removed BOP stack, cleaned pits and installed Cameron hd. Released rig @ 7 AM, 6/15/73. (RDUFA) JUN 15 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Western Oilwell
14,095' Wasatch Test
KB 6592'
5" liner @ 14,094'

TD 14,095. (RRD 6/15/73) Testing BOP. MI&RU Western Oilwell Service on 7/16/73. Installed BOP.
JUL 17 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Western Oilwell
14,095' Wasatch Test
KB 6592'
5" liner @ 14,094'

TD 14,095. Picking up tbg. Tested BOP to 5000 psi. Unloaded tbg and 5½" csg. Picked up 4-1/8" bit, 2437' of 2-7/8" tbg tail and 7" scraper and started picking up new tbg.
JUL 18 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Western Oilwell
14,095' Wasatch Test
KB 6592'
5" liner @ 14,094'

TD 14,095. Pulling tbg. Finished picking up tbg. Ran bit to 14,075. Displaced mud w/250 gal B-J Mud Sweep followed by 500 bbls FW followed by 150 gal B-J Mud Sweep and 600 bbls FW. SI and checked for flowback, OK. Press'd csg to 5000 psi, OK. Sptd 45 bbls 2% NaCl wtr in liner and started pulling tbg. JUL 19 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D) Western Oilwell
14,095' Wasatch Test
KB 6592'
5" liner @ 14,094'

TD 14,095. Running prod eqmt. Finished pulling tbg, laying down bit, scraper and tbg tail. RU OWP. Ran PDC log from 10,500-14,048, CBL and VDL from 9000-14,048. Ran CBL w/3000 psi on csg. Cmt bonding good to fair. Set Baker Model "D" pkr w/flapper top @ 11,630. RD OWP.
JUL 20 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D)
14,095' Wasatch Test
KB 6592'
5" liner @ 14,094'

TD 14,095. PB 14,075.

7/21: Running prod eqmt. Ran 107 jts 5½", K-55, 14# heat string w/Type I turned down collars w/tail @ 4511'. Installed BPV, removed BOP, installed 10" 5000 psi x 6" 5000 psi tbg spool, installed BOP and tested to 5000 psi. Removed BPV and started running prod eqmt.

7/22: SI, prep to perf on 7/24. Finished running prod eqmt as follows: Baker "C" plug holder w/Model "D" pushout plug tested to 7500 psi w/tail @ 11,663, 30' NU 10rd nonperf'd prod tube, Baker anchor seal assembly w/ 2 seal units, Baker Model "EL" on-off tool w/Otis 2.313" N-nipple w/2.255" no-go w/top @ 11,624, 4' sub w/cent., 3 jts tbg, mandrel #30-HO-6-6 w/top @ 11,522, 10 jts tbg, mandrel #11-HO-517 w/top @ 11,209, 20 jts tbg, mandrel #5-HO-318 w/top @ 10,589, 29 jts tbg, mandrel #4-HO-67, 23 jts tbg, mandrel #4-HO-518, 25 jts tbg, mandrel #4-HO-58 w/top @ 8208, 39 jts tbg, mandrel #3-HO-518 w/top @ 7005, 55 jts tbg; mandrel #6-HO-67 w/top @ 5311, 78 jts tbg, mandrel #3-HO-4-25 w/top @ 2913, 93 jts tbg, 4' sub, two 6' subs, 8' sub and 1 jt tbg. All tbg and subs 2-7/8", EUE, 8rd, N-80 and all mandrels KBMG w/ Model "E" dummies w/BK-2 latches. Latched into pkr, came off on-off connector. Circ fresh inhib wtr in annulus. Sptd 2% NaCl wtr in tbg and landed tbg. Tested tbg to 7500# for 1 hr, losing 80 psi. Installed BPV, removed BOP, installed 10,000# Xmas tree and tested to 10,500#. Removed BPV. Released rig @ 7 PM, 7/21/73. RU Archer Reed and knocked out Baker Model "D" pushout plug and chased to PBSD @ 14,075. RD Archer Reed.

7/23: SI, prep to perf on 7/24. JUL 23 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D)
14,095' Wasatch Test
KB 6592'
5" liner @ 14,094'

TD 14,095. PB 14,075. SI, prep to perf.

Addition to 7/22 report: Mandrel #4-HO-67 top @ 9693 and mandrel #4-HO-518 top @ 8981. JUL 24 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D)
14,095' Wasatch Test
KB 6592'
5" liner @ 14,094'

TD 14,095. PB 14,075. Prep to AT. RU OWP and perf'd 1 hole each unidirectionally using magnetic decentralized steel tube carrier gun w/JRC-DP Side-winder charges as follows: Run #1: 11,757, 11,758, 11,792, 11,793, 11,794, 11,795, 11,796, 11,797, 11,798, 11,803, 11,804, 11,805, 11,806, 11,807, 11,818, 11,819, 11,820, 11,821, 11,905, 11,906, 11,907, 11,908, 12,051, 12,052, 12,053, 12,125, 12,126, 12,127, 12,128, 12,162, 12,163, 12,164, 12,370, 12,371, 12,372, 12,373, 12,507, 12,508, 12,509, 12,510, 12,511. Beginning and ending press 100 psi. Run #2: 12,705, 12,706, 12,707, 12,708, 12,709, 12,710, 12,803, 12,804, 12,805, 13,066, 13,067, 13,068, 13,265, 13,266, 13,267, 13,268, 13,288, 13,289, 13,290, 13,291, 13,418, 13,419, 13,420, 13,421, 13,532, 13,533, 13,534, 13,535, 13,565, 13,566, 13,567, 13,568, 13,646, 13,647, 13,648, 13,649, 13,650, 13,692, 13,693, 13,731, 13,732. Press from 240 to 1120 psi. Run #3: Shot from btm up - 13,733, 13,742, 13,743, 13,744, 13,745, 13,759, 13,760, 13,835, 13,836, 13,837, 13,849, 13,850, 13,851, 13,852, 13,899, 13,900, 13,901, 13,902. Press from 2950 to 2910 psi. RD OWP. Did not perf top zone (11,664, 11,665, 11,666, 11,667, 11,668, 11,669) - tbg tail in zn.

JUL 25 1973

Shell-Tenneco-LVO Corp.-
Crook 1-6B4
(D)
14,095' Wasatch Test
KB 6592'
5" liner @ 14,094'

TD 14,095. PB 14,075. Prep to flow to pit to clean up. MI&RU B-J. AT gross perfs 11,757-13,902 w/32,500 gal 15% HCl. Checked acid w/hydrometer. Each 1000 gal acid contained 3 gal G-10, 3 gal C-15, 3 gal J-22, 1# radioactive trtd sd, 30# OS-160 Wide Range Unibeads and 30# Button Unibeads. Flushed w/4578 gal FW w/each 1000 gal containing 165# NaCl and 3 gal G-10. Pmpd acid as follows: 29 bbls acid, dropped one 7/8" RCN ball sealer w/1.24 gr, pmpd 7 bbls acid. Repeated 7 bbls and 1 ball sealer 102 times. Pmpd 24 bbls acid followed by 109 bbls flush. Max press 8900 psi, avg 8400 psi, min 6900 psi, max rate 8-1/4 B/M, avg 7-1/3 B/M, min 5 B/M. ISIP 5450 psi decr to 5200 psi in 5 min to 5000 psi in 10 min to 4750 psi in 15 min to 4650 psi in 20 min. Good ball and bead action. Breaks of 100-1200 psi. RD B-J. RU OWP and ran GR log from 13,950-11,550. Log indicated one zn not taking fluid. RD OWP. JUL 26 1973

Shell-Tenneco-LVO Corp.- TD 14,095. PB 14,075. Flowing. TP on 7/26 3600 psi.
 Crook 1-6B4 Opened to pit for 5 hrs on 64/64" chk w/TP from 800-
 (D) 700 psi. Flwd est 500 BO, 300 BW (GOR 900). Last hr
 14,095' Wasatch Test flwd est 140 BO and 20 BW (GOR 900) on 64/64" chk w/700
 KB 6592' psi FTP. SI @ 2:20 PM w/3750 psi TP. Removed 10,000#
 5" liner @ 14,094' tree and installed 5000# tree. Job complete @ 5:30 PM.
 TP 4100 psi. Turned well to tank battery. On 12-hr test
 (tank measurements), flwd 840 BO, 2 BW (GOR 531) on
 12/64" chk w/3750 psi FTP. JUL 27 1973

Shell-Tenneco-LVO Corp.- TD 14,095. PB 14,075. Flowing. On various tests,
 Crook 1-6B4 flwd as follows: JUL 30 1973
 (D) Report

Date	BO	BW	MCF Gas	Chk	FTP	CP	Hrs
7/28	529	11	363	12/64"	3800	0	16
7/29	144	0	725	12/64"	3800	0	16
(Stock tank drained to pit)							
7/30	995	0	1083	12/64"	3600	0	24

14,095' Wasatch Test
 KB 6592'
 5" liner @ 14,094'

Shell-Tenneco-LVO Corp.- TD 14,095. PB 14,075. Flowing. On 24-hr test, flwd
 Crook 1-6B4 1116 BO, no wtr and 1055 MCF gas on 12/64" chk w/3500
 (D) psi FTP and zero CP. JUL 31 1973
 14,095' Wasatch Test
 KB 6592'
 5" liner @ 14,094'

Shell-Tenneco-LVO Corp.- TD 14,095. PB 14,075. Flowing. On 24-hr test, flwd
 Crook 1-6B4 1150 BO, no wtr and 1225 MCF gas on 12/64" chk w/3400
 (D) psi FTP and zero CP. AUG 1 1973
 14,095' Wasatch Test
 KB 6592'
 5" liner @ 14,094'

Shell-Tenneco-LVO Corp.- TD 14,095. PB 14,075. Flowing. On 24-hr test, flwd
 Crook 1-6B4 1024 BO, no wtr and 871 MCF gas on 12/64" chk w/3400
 (D) psi FTP and zero CP. AUG 2 1973
 14,095' Wasatch Test
 KB 6592'
 5" liner @ 14,094'

Shell-Tenneco-LVO Corp.- TD 14,095. PB 14,075. Flowing. On 24-hr test, flwd
 Crook 1-6B4 880 BO, 82 BW and 858 MCF gas on 12/64" chk w/3350 psi
 (D) FTP and zero CP. AUG 3 1973
 14,095' Wasatch Test
 KB 6592'
 5" liner @ 14,094'

Shell-Tenneco-LVO Corp.- TD 14,095. PB 14,075. Flowing. On 24-hr tests, flwd
Crook 1-6B4 as follows:

(D) Report AUG 6 1973

Date	BO	BW	MCF Gas	Chk	FTP	CP
8/4	923	0	844	12/64"	3250	0
8/5	928	12	926	12/64"	3200	0
8/6	907	14	884	12/64"	3200	0

Shell-Tenneco-LVO Corp.- TD 14,095. PB 14,075. Flowing. On 24-hr test, flwd
Crook 1-6B4 825 BO, 16 BW and 842 MCF gas on 12/64" chk w/3200
(D) Report AUG 7 1973

14,095' Wasatch Test
KB 6592'
5" liner @ 14,094'

Shell-Tenneco-LVO Corp.- TD 14,095. PB 14,075. Flowing. On 24-hr test, flwd
Crook 1-6B4 711 BO, 12 BW and 884 MCF gas on 12/64" chk w/3150 psi
(D) Report AUG 8 1973

14,095' Wasatch Test
KB 6592'
5" liner @ 14,094'

Shell-Tenneco-LVO Corp.- TD 14,095. PB 14,075. Flowing. On 5-hr test, flwd
Crook 1-6B4 196 BO, 0 BW, and 180 MCF on 12/64" chk w/3150 FTPAUG 9 1973
(D) Report AUG 9 1973

14,095' Wasatch Test
KB 6592'
5" liner at 14,094'

Shell-Tenneco-LVO Corp.- TD 14,095. PB 14,075. Shut in. AUG 10 1973
Crook 1-6B4

(D)
14,095' Wasatch Test
KB 6592'
5" liner at 14,094'

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(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 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 2485' FNL & 1203' FEL Section 6		8. FARM OR LEASE NAME Crook
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6592 KB	9. WELL NO. 1-6B4
		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., W., OR BLK. AND SURVEY OR AREA SE/4 NE/4 Section 6-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"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRAC TURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRAC TURE 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) Chng pmp & AW <input checked="" type="checkbox"/>	
(Other) Chng pmp & AW <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.)*

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: March 11, 1977
BY: P. H. [Signature] See Attachment

18. I hereby certify that the foregoing is true and correct
SIGNED: [Signature] TITLE: Div. Opers. Engr. DATE: 3/8/77
(This space for Federal or State office use)

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

cc: USGS w/attachment

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 16-hr test, prod 61 BO, 264 BW,
40 MCF gas w/200 psi.

JAN 28 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On various tests, prod:

Rept Date	Hrs	BO	BW	MCF Gas	Press
<u>1/28:</u>	24	55	526	58	200
<u>1/29:</u>	24	56	521	58	200
<u>1/30:</u>	24	62	326	88	200

JAN 31 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 72 BO, 300 BW,
70 MCF gas w/200 psi.

FEB 01 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 82 BO, 300 BW,
58 MCF gas w/200 psi.

FEB 02 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 66 BO, 300
BW, 58 MCF gas w/200 psi.

FEB 03 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 88 BO, 300 BW,
75 MCF gas w/200 psi.

FEB 04 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On various tests, prod:

Rept Date	Hrs	BO	BW	MCF Gas	Press
<u>2/4:</u>	24	54	0	82	200
<u>2/5:</u>	24	94	300	88	200
<u>2/6:</u>	24	84	300	58	200

FEB 07 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 142 BO, 300 BW,
58 MCF gas w/200 psi.

FEB 08 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 1 BO, 300 BW,
58 MCF gas w/200 psi.

FEB 09 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 92 BO, 300 BW,
88 MCF gas w/200 psi.

FEB 10 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 91 BO, 300 BW,
99 MCF gas w/200 psi.

FEB 11 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On various tests, prod:

Rept Date	Hrs	BO	BW	MCF Gas	Press
<u>2/11:</u>	24	127	300	129	200
<u>2/12:</u>	24	86	300	164	200
<u>2/13:</u>	24	97	300	123	200

FEB 14 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 101 BO, 300 BW,
94 MCF gas w/200 psi.
FEB 15 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 107 BO, 300 BW,
105 MCF gas w/200 psi.
FEB 16 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 96 BO, 300 BW,
111 MCF gas w/200 psi.
FEB 17 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 164 BO, 300 BW,
140 MCF gas w/200 psi.
FEB 18 1977

Shell-Tenneco-LVO
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On various tests, prod:

<u>Rept Date</u>	<u>Hrs</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Press</u>
2/18	24	93	300	140	200
2/19	24	136	300	127	200
2/20	24	69	300	123	200
2/21	24	89	300	117	200

FEB 22 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 77 BO, 250 BW,
117 MCF gas w/200 psi.
FEB 23 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 91 BO, 250 BW,
88 MCF gas w/200 psi.
FEB 24 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 96 BO, 250 BW,
94 MCF gas w/200 psi.
FEB 25 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On various tests, prod:

<u>Rept Date</u>	<u>Hrs</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Press</u>
2/25:	24	95	200	105	200
2/26:	24	97	200	105	200
2/27:	24	93	200	123	200

FEB 28 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. Prior to work, well was off prod;
pmp severely worn. On 24-hr test 2/28/77 after work,
prod 81 BO, 200 BW, 123 MCF gas w/200 psi.
FINAL REPORT
MAR 01 1977

CHNG PMP AND ACID WASH
SHELL-TENNECO-LVO

FROM: 1/21 - 3/1/77

ALTAMONT

LEASE	CROOK	WELL NO.	1-6B4
DIVISION	WESTERN	ELEV	6592 KB
COUNTY	DUCHESNE	STATE	UTAH

UTAH

ALTAMONT

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

"FR" TD 14,095. PB 14,075. Pmp'g. Bled press off csg & pmp'd tbg up to 1000# to chk for leaks. Bled off 250# in 25 mins. Pmp'd 180 bbls hot wtr down csg before unseat'g pmp. After unseat'g pmp, pmp'd 40 bbls diesel down tbg to pull rods. Pulled 121 1" & 99 7/8" rods & hung up in hvy wax. Lowered pmp down hole out of wax. SD for night. 1/20 Pmp'd 30 bbls diesel down tbg to soften wax. HOT pmp'd hot wtr down backside while pull'g rods. Pulled 40 rods & rods started pull'g hard, therefore, more diesel was pmp'd down tbg. Pulled 79 rods to backoff pt. Removed WH equip & installed BOP's. Tried to release from pkr w/o success. SD for night.

JAN 21 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. 1/21 SITP 100%; 0 on csg. Pmp'd 25 bbls down tbg to kill well. Pulled up off donut & released from pkr. Pulled 287 jts & reached rods where we had backed off. Pulled 69 rods & pmp; top end of pmp bbl & several rod couplings badly worn. Pulled remainder of tbg, separator & top half of on-off tool. RIH w/1 jt, donut & sub and latched into tree. SI for night. 1/22 Pmp'd 25 BW to kill well. Pulled 1 jt & donut. RIH w/top half of on-off tool, 36 jts tbg, SN & 342 jts tbg. Latched into on-off tool & landed on donut. Removed BOP's. Pmp'd 57 bbls acetic acid & displ'd acid to top of perfs w/20 bbls prod wtr. Left acid in overnight. 1/23 Flushed acid w/50 bbls prod wtr & ran BHPS.

JAN 24 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. Pulled BHPB. Pmp'd 40 bbls diesel to help in run'g pmp. Ran pmp, 148 3/4", 138 7/8" & 132 1" rods & 1 8' sub. Connected flwlines to tree & turned well over to prod. RD&MO 1/25/77.

JAN 25 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. Pmp not work'g. Disconnected WH equip & pulled rods & found rods prt'd 2 rods above pmp. RIH w/fish'g tool, unseated pmp & pulled 143 rods. SD for night.

JAN 26 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. Pulled 275 rods & pmp on fish'g tool. Repl'd 43 3/4" rods that had worn shoulders. Ran pmp, 148 3/4" rods, 138 7/8" rods & 133 1" rods. Spaced out & hung polish rod. Turned well back to prod. Released rig 1/26/77.

JAN 27 1977

FORM OGC-8-X
FILE IN QUADRUPPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number Shell-Tenneco-LVO Corp.-Crook 1-6B4
Operator Shell Oil Company (Rocky Mountain Division Production)
Address 1700 Broadway, Denver, Colorado 80202
Contractor Parker Drilling Company
Address P. O. ^DBox 587, Duchesne, Utah 84021
Location SE 1/4, NE 1/4, Sec. 6, T. 2 ^N, R. 4 ^E, Duchesne County.
S W

Water Sands:

	<u>Depth:</u>	<u>Volume:</u>	<u>Quality:</u>	
	From -	To -	Flow Rate or Head -	Fresh or Salty -
1.	<u>No sands tested or evaluated and no water flow encountered</u>			
2.	<u>(GR from 100' to TD)</u>			
3.				
4.				
5.				

(Continue on Reverse Side if Necessary)

Formation Tops:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (see back of this form)
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

OIL & GAS CONSERVATION COMMISSION

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 2485' FNL & 1203' FEL Section 6		8. FARM OR LEASE NAME Crook
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6592 KB	9. WELL NO. 1-6B4
		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA SE/4 NE/4 Section 6-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"/>	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) Chng pmp & AW <input checked="" type="checkbox"/>	
(Other) Chng pmp & AW <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.)*

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: March 11, 1977

By See attachment P. H. Ansell



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

SIGNED P. Plauty TITLE Div. Opers. Engr. DATE 3/8/77

(This space for Federal or State office use)

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

cc: USGS w/attachment

CHNG PMP AND ACID WASH
SHELL-TENNECO-LVO

FROM: 1/21 - 3/1/77

LEASE	CROOK	WELL NO.	ALTAMONT
DIVISION	WESTERN	ELEV	1-6B4
COUNTY	DUCHESNE	STATE	6592 KB
			UTAH

UTAH

ALTAMONT

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

"FR" TD 14,095. PB 14,075. Pmp'g. Bled press off csg & pmp'd tbg up to 1000# to chk for leaks. Bled off 250# in 25 mins. Pmp'd 180 bbls hot wtr down csg before unseat'g pmp. After unseat'g pmp, pmp'd 40 bbls diesel down tbg to pull rods. Pulled 121 1" & 99 7/8" rods & hung up in hvy wax. Lowered pmp down hole out of wax. SD for night. 1/20 Pmp'd 30 bbls diesel down tbg to soften wax. HOT pmp'd hot wtr down backside while pull'g rods. Pulled 40 rods & rods started pull'g hard, therefore, more diesel was pmp'd down tbg. Pulled 79 rods to backoff pt. Removed WH equip & installed BOP's. Tried to release from pkr w/o success. SD for night.

JAN 21 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. 1/21 SITP 100#; 0 on csg. Pmp'd 25 bbls down tbg to kill well. Pulled up off donut & released from pkr. Pulled 287 jts & reached rods where we had backed off. Pulled 69 rods & pmp; top end of pmp bbl & several rod couplings badly worn. Pulled remainder of tbg, separator & top half of on-off tool. RIH w/1 jt, donut & sub and latched into tree. SI for night. 1/22 Pmp'd 25 BW to kill well. Pulled 1 jt & donut. RIH w/top half of on-off tool, 36 jts tbg, SN & 342 jts tbg. Latched into on-off tool & landed on donut. Removed BOP's. Pmp'd 57 bbls acetic acid & displ'd acid to top of perfs w/20 bbls prod wtr. Left acid in overnight. 1/23 Flushed acid w/50 bbls prod wtr & ran BHPS.

JAN 24 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. Pulled BHPB. Pmp'd 40 bbls diesel to help in run'g pmp. Ran pmp, 148 3/4", 138 7/8" & 132 1" rods & 1 8' sub. Connected flwlines to tree & turned well over to prod. RD&MO 1/25/77.

JAN 25 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. Pmp not work'g. Disconnected WH equip & pulled rods & found rods prt'd 2 rods above pmp. RIH w/fish'g tool, unseated pmp & pulled 143 rods. SD for night.

JAN 26 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. Pulled 275 rods & pmp on fish'g tool. Repl'd 43 3/4" rods that had worn shoulders. Ran pmp, 148 3/4" rods, 138 7/8" rods & 133 1" rods. Spaced out & hung polish rod. Turned well back to prod. Released rig 1/26/77.

JAN 27 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 16-hr test, prod 61 BO, 264 BW,
40 MCF gas w/200 psi.

JAN 28 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On various tests, prod:

Rept Date	Hrs	BO	BW	MCF Gas	Press
<u>1/28:</u>	24	55	526	58	200
<u>1/29:</u>	24	56	521	58	200
<u>1/30:</u>	24	62	326	88	200

JAN 31 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 72 BO, 300 BW,
70 MCF gas w/200 psi.

FEB 01 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 82 BO, 300 BW,
58 MCF gas w/200 psi.

FEB 02 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 66 BO, 300
BW, 58 MCF gas w/200 psi.

FEB 03 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 88 BO, 300 BW,
75 MCF gas w/200 psi.

FEB 04 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On various tests, prod:

Rept Date	Hrs	BO	BW	MCF Gas	Press
<u>2/4:</u>	24	54	0	82	200
<u>2/5:</u>	24	94	300	88	200
<u>2/6:</u>	24	84	300	58	200

FEB 07 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 142 BO, 300 BW,
58 MCF gas w/200 psi.

FEB 08 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 1 BO, 300 BW,
58 MCF gas w/200 psi.

FEB 09 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 92 BO, 300 BW,
88 MCF gas w/200 psi.

FEB 10 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 91 BO, 300 BW,
99 MCF gas w/200 psi.

FEB 11 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On various tests, prod:

Rept Date	Hrs	BO	BW	MCF Gas	Press
<u>2/11:</u>	24	127	300	129	200
<u>2/12:</u>	24	86	300	164	200
<u>2/13:</u>	24	97	300	123	200

FEB 14 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 101 BO, 300 BW,
94 MCF gas w/200 psi.

FEB 15 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 107 BO, 300 BW,
105 MCF gas w/200 psi.

FEB 16 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 96 BO, 300 BW,
111 MCF gas w/200 psi.

FEB 17 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 164 BO, 300 BW,
140 MCF gas w/200 psi.

FEB 18 1977

Shell-Tenneco-LVO
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On various tests, prod:

<u>Rept Date</u>	<u>Hrs</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Press</u>
2/18	24	93	300	140	200
2/19	24	136	300	127	200
2/20	24	69	300	123	200
2/21	24	89	300	117	200

FEB 22 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 77 BO, 250 BW,
117 MCF gas w/200 psi.

FEB 23 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 91 BO, 250 BW,
88 MCF gas w/200 psi.

FEB 24 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On 24-hr test, prod 96 BO, 250 BW,
94 MCF gas w/200 psi.

FEB 25 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. On various tests, prod:

<u>Rept Date</u>	<u>Hrs</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Press</u>
2/25:	24	95	200	105	200
2/26:	24	97	200	105	200
2/27:	24	93	200	123	200

FEB 28 1977

Shell-Tenneco-LVO-
Crook 1-6B4
(Chng pmp & AW)

TD 14,095. PB 14,075. Prior to work, well was off prod;
pmp severely worn. On 24-hr test 2/28/77 after work,
prod 81 BO, 200 BW, 123 MCF gas w/200 psi.
FINAL REPORT

MAR 01 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.)

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 2485' FNL & 1203' FEL Section 6		8. FARM OR LEASE NAME Crook
14. PERMIT NO.		9. WELL NO. 1-6B4
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6592 KB		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T. R., M., OR BLK. AND SURVEY OR AREA SE/4 NE/4 Section 6-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"/>	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>Convert to gas lift</u>	<input checked="" type="checkbox"/>
(Other) <u>Convert to gas lift</u>	<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.)*

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: June 1, 1978
BY: J. P. Marshall

See attachment

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

SIGNED R. Plauty TITLE Div. Oper. Engr. DATE 5/25/78

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
cc: USGS (for info) w/attachment

CONVERT TO GAS LIFT

ALTAMONT

SHELL-TENNECO-LVO

LEASE

CROOK

WELL NO.

1-6B4

DIVISION

WESTERN

ELEV

6592 KB

FROM: 1/11 - 4/24/78

COUNTY

DUCHESNE

STATE

UTAH

UTAH

ALTAMONT

Shell-Tenneco-LVO-

Crook 1-6B4

(Convert to gas lift)

"FR" TD 14,095. PB 14,075. AFE #571304 provides funds to convert from beam to gas lift. 1/9 MI&RU WOW #12. CP 150#; bled off. Pmp'd hot prod wtr down csg, removed horse hd & RU to pull rods. Pmp'd 500 bbls hot wtr down csg; freed rods. Could not pmp down tbg. LD 133 1" & 36 7/8" & started pull'g hard. SD & pmp'd 100 bbls hot wtr down csg. Started pull'g rods while pmp'g down csg. POOH; had total of 133 1", 138 7/8", 16 3/4" rods & parted rod body. SI well. 1/10 Sml amt press on tbg & csg - gas; bled off. Installed BOP & got out of Mdl D pkr. Pulled 56 jts tbg filled w/wtr. Pulled 6 jts plug'd w/1/2 dried oil & 1/2 wtr. Well blew out tbg; cap'd well in. SD while bleeding down well. Pulled 40' more jts & started to get a little press. SD to get 1-1/4" tbg w/overshot to wash down & latch fish. SI well overnight.

JAN 11 1978

Shell-Tenneco-LVO-

Crook 1-6B4

(Convert to gas lift)

TD 14,095. PB 14,075. Got 2200' 1-1/4" tbg & RU to run tbg. Made up overshot w/cross over to 1-1/4" tbg to try & circ down & latch fish. Started in hole pmp'g 190 deg prod wtr down 1-1/4" tbg & out 2-7/8 tbg. Had to circ 1st 20 jts all the way to get down. Ran 10 jts then circ'd out wax. Got down approx 950'. SI for night.

JAN 12 1978

Shell-Tenneco-LVO-

Crook 1-6B4

(Convert to gas lift)

TD 14,095. PB 14,075. TIH w/1-1/4" & overshot & latched onto fish @ 1851. Unseated pmp & pmp'd 40 bbls prod wtr down tbg. POOH & LD 1-1/4 tbg. RU to pull rods. POOH w/remainder of rods & pmp. RU to pull 2-7/8 tbg. Started out of hole w/tbg.

JAN 13 1978

Shell-Tenneco-LVO-

Crook 1-6B4

(Convert to gas lift)

TD 14,095. PB 14,075. 1/13: Pumped wtr down csg while pulling tbg. Installed 10" BOP. Layed down 107 jts of 5 1/2" csg. Installed 6" BOP. Started in hole w/tbg. SI. 1/14: No press. Ran tbg & mandrels. Ran 4300' & pumped tbg clear. Started running 2 jts & pumping clear. Had to go up to 4000# to clean out. Pumping down csg while running tbg. Still had trouble w/wax in tbg. Would pull 5-7000# over & turn loose. Circ over assy. SI

JAN 15 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)
JAN 17 1978

TD 14,095. PB 14,075. POOH w mandrels. Made up
7" 26# Model "C" full bore pkr. RIH w/pkr, 1 jt tbg,
45 seat nipple, #1 mandrel & rest of mandrels.
Pkr @ 11,560'. Removed BOP.

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. No report.
JAN 18 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. No report.
JAN 19 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 14-hr test, prod 4 BO, 0 BW, 0
MCF gas w/300 psi.
JAN 20 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, prod 16 BO, 4004 BW,
1019 MCF gas w/150 psi.
JAN 23 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, prod 16 BO, 1 BW,
965 MCF gas w/100 psi.
JAN 24 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, prod 53 BO, 1 BW,
1045 MCF gas w/200 psi.
JAN 25 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, prod 5 BO, 1 BW,
872 MCF gas w/250 psi.
JAN 26 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On various tests, prod:

<u>Rept Date</u>	<u>Hrs</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Press</u>
1/23	24	12	5	911	200
1/24	SI				
1/25	24	4	2	920	150

JAN 27 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, prod 0 BO, 0 BW,
741 MCF gas w/150 psi.
JAN 30 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. 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>
1/27	24	142	131	741	1050
1/28	18	54	0	653	1050
1/29	24	0	9	741	1050

JAN 31 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 10 BO,
236 BW, 670 MCF gas w/1050 psi inj press. FEB 01 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 6 BO,
111 BW, 529 MCF gas w/850 psi inj press. FEB 02 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. Gauge not available. FEB 03 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 14 BO,
112 BW, 481 MCF gas w/1100 psi inj press. FEB 06 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
2/2	24	7	137	470	1100
2/3	19	0	104	419	1100
2/4	24	0	225	635	1100
2/5	24	7	182	608	1100

FEB 07 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 13 BO,
199 BW, 574 MCF gas w/1100 psi inj press. FEB 08 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 16 BO,
217 BW, 794 MCF gas w/1100 psi inj press. FEB 09 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 25 BO,
348 BW, 1076 MCF gas w/1100 psi inj press. FEB 10 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 30 BO,
332 BW, 1215 MCF gas w/1100 psi inj press. FEB 13 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
2/10	24	29	292	1145	1100
2/11	24	29	266	1015	1100
2/12	24	30	265	1015	1100

FEB 14 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 31 BO,
249 BW, 1015 MCF gas w/1100 psi inj press. FEB 15 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 27 BO,
232 BW, 902 MCF gas w/1100 psi inj press. FEB 16 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. Gauge not available. FEB 17 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 27 BO,
213 BW, 969 MCF gas w/1100 psi inj press. FEB 21 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 24 BO,
201 BW, 885 MCF gas w/1100 psi inj press. FEB 22 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 25 BO,
202 BW, 1015 MCF gas w/1100 psi inj press. FEB 23 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
2/18	24	29	216	1015	1100
2/19	24	25	206	931	1100
2/20	24	26	215	931	1100
2/21	24	35	276	1076	1100
2/22	24	29	253	918	1100

FEB 24 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 27 BO,
254 BW, 930 MCF gas w/1100 psi inj press. FEB 27 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 23 BO,
221 BW, 667 MCF gas w/1100 psi inj press. FEB 28 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. 2/27 SI gas lift inj & bled off
tbg & csg. MI&RU WOW #19. Pmp'd 250 bbls hot prod wtr
to clean up wax. Removed tree & installed & tested BOP's.
PU tbg off donut & released full bore pkr. 2/28 Pmp'd
200 bbls prod wtr down tbg; no circ. POOH & LD full
bore pkr & gas lift mndrls. PU 10' - 6-1/8" OD shoe
on btr - WP & RIH on 2-7/8 tbg. Prod wtr run'g into
well while RIH. RIH to top of pkr & RU power swivel.
SI well overnight. MAR 01 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. No report. MAR 02 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. 2/28 Pmp'd 200 bbls prod wtr down
tbg; no circ. POOH & LD full bore pkr & gas lift mndrls.
RIH w/10' 6-1/8" OD shoe on btm WP (prod wtr run'g into
well while RIH). Ran to top of pkr & RU power swivel. SD
for night. 3/1 Rev circ'd w/450 bbls prod wtr & est circ.
Rev circ'd another 100 bbls to clean up oil & gas.
Milled & washed over pkr & ran down to liner top w/WP.
Rev circ'd 1/2 hr 120 bbls to clean up. RD power swivel.
POOH & LD washover pipe. RIH w/overshot dressed to catch
lower half on-off seal connector. SD for night. 3/2
Fin'd RIH w/overshot. Engaged on-off seal connector &
POOH. Rec'd on-off connector, seal assy, remains of pkr
& 30' prod tube. PU 4-1/8 mill & RIH; mill stop'd just
inside liner. RU power swivel & milled 1/2 hr while
pmp'g down csg; no returns. Mill fell free. RD power
swivel. RIH w/mill to 13,950 & SD for night. MAR 0 3 1979

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. 3/3 With mill @ 13,950, pmp'd 2000
bbls prod wtr in rev & circ'd only a sml amt. Pmp'd 500
more bbls & circ'd about 1/2" stream. Milled down to
14,050. Had to pmp 50 bbls min after each connection to
get a trickle of returns. POOH; LD sgls. LD 5 jts & tbg
pull'g wet. Tried to est rev circ; did not w/500 bbls.
Tried to pmp out tbg & could not. 3/4 Tbg did not drain
overnight. POOH; pull'g wet string. LD mill. MI&RU OWP
to perf as per prog w/3-1/8 csg gun @ 3 holes/ft. Run #1 -
SICP 0 & FL 3800; perf'd 14,036 thru 13,820 (15' & 45 holes).
Run #2 - SICP 0 & FL 3800; perf'd 13,787 thru 13,645 (15' &
45 holes). Run #3 - SICP 0 & FL 3700; perf'd 13,633 thru
13,474 (15' & 45 holes). SI well. MAR 0 6 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. Pmp'd 100 bbls hot prod wtr down
csg. Perf'd as folls: Run #4 - SICP 60# & FL 3400; perf'd
13,460 thru 13,286 (10' & 30 holes). Run #5 - SICP 60# &
FL 2900; gun misfired 6 section (shot 6' high) - shot @
13,267, 13,239, 13,230, 13,213, 13,211, 13,207 & 13,204
(7' & 21 holes). Run #6 - SICP 60# & FL 2600; perf'd
13,192 thru 13,129 (10' & 30 holes). Run #7 - SICP 80# &
FL 2400; perf'd 13,114 thru 13,044 (10' & 30 holes). Run
#8 - SICP 80# & FL 2400; perf'd 13,019 thru 12,947 (10' &
30 holes). Run #9 - SICP 100# & FL 2200; perf'd 12,944
thru 12,896 (10' & 30 holes). Run #10 - SICP 100# & FL
1800; perf'd 12,805 thru 12,632 (10' & 30 holes). Run #11 -
SICP 100# & FL 1600; perf'd 13,263, 13,245, 13,236, 13,219,
13,217, 13,199, 13,196, 12,865, 12,857, 12,855, 12,844 &
12,832 (12' & 36 holes). Run #12 - SICP 100# & FL 1600;
perf'd 12,615 thru 12,241 (10' & 30 holes). SI for night.

MAR 0 7 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. 12-hr SICP 500 psi. Pmp'd 100
bbls hot prod wtr down csg & made last perf'g run. Run
#13 - 200 psi & FL @ sfc; perf'd 12,235 thru 11,805
(9' & 27 holes). Lubri'd in hole w/Bkr 7" Mdl D pkr
w/flapper & set @ 11,630. RD OWP. RIH w/seal assy & 5'
prod tube. Tag'd pkr & pmp'd 80 BW down tbg. Drop'd
SV. Press tested tbg to 6500 psi, ok. RIH w/sdline to
fish SV; unable to latch onto SV. SI well overnight.

MAR 0 8 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. Rev ci d 400 bbls prod wtr. MI&RU slickline. RIH & latched onto SV. POOH & RD slickline trk. Pmp'd 150 bbls 190 deg prod wtr down tbg. Latched into Mdl D pkr & landed tbg on hanger w/18,000# tension. RU swb equip. FL 1st run 3000'. SF 4000'. FL 2nd run 3100'; SF 4100'. FL 3rd run 2200'; SF 3200'. FL 4th run 2100'; SF 3100'. FL 5th run 2100'; SF 3100'. Swb'd all wtr. RD swb equip. Installed BPV, removed BOP & installed 10,000# WH. Removed BPV. Press tested csg to 3000 psi, ok.

MAR 09 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. SITP 200 psi. BJ acdz'd 517 holes from 11,757-14,036 w/50,000 gals 7-1/2% HCl as per prog. Held 3000 psi on annulus thruout job. Pmp'd 1190 bbls 7-1/2% HCl, 600 ball sealers (7/8" RCN w/1.2 sp gr) & 6000# Divert II. Max press 9000 psi, min 6000, avg 8200. Max rate 13.5 B/M, min 10, avg 11.5. ISIP 5000 psi, 5 mins 4600, 10 mins 4370, 15 mins 4250. No indication of communication across pkr. 2-1/2-hr SIP 2000 psi, 3-1/2 700, 4-1/2 500. After attempting to log, SIP 100 psi. RD BJ. MI&RU OWP to run GR log. Started log'g from btm up. Collar locator stop'd work'g; POOH. Prep to rerun log.

MAR 10 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. 3/10 SITP 0. RIH w/GR & log'd from 14,034-11,530. RD OWP. Installed BPV, removed 10,000# WH & installed BOP's. Unlatched from Mdl D pkr & POOH w/tbg. LD seal assy. PU repaired latch-in seal assy & started in hole w/gas lift mndrls & valves in place. 2/11 SITP & SICP 0. Fin'd RIH w/prod equip. Latched into pkr & marked for spacing out. Unlatched & circ'd down tbg w/400 bbls hot prod wtr to clean up tbg & csg. Latched back into pkr & landed tbg on donut w/8000# tension. Installed & tested 5000# tree; tbg on vac. Hooked up flw-line & gas inj lines. RD WOW #19 & turned well over to prod 2 p.m. 3/11/78.

MAR 13 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. Well on gas lift; MO WOW #17.

MAR 14 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. Gauge not available.

MAR 15 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 837 BO, 808 BW, 1110 MCF gas w/1100 psi inj press.

MAR 16 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
3/13	24	1184	771	1810	1100
3/14	24	1242	651	1034	1100
3/15	24	1029	344	1221	1200

MAR 17 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 1094 BO, 215 BW, 1203 MCF gas w/1200 psi inj press. (Report discontinued until further activity)

MAR 20 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. (RRD 3/20/78) 3/30 MI&RU Schl &
ran prod log as per prog. Fluid entries as folls:
largest entry @ 12,860, 2nd @ 13,060, 3rd @ 13,760 & sml
entries @ 11,805, 11,905, 12,160 & from 13,040-13,290.
RD Schl & returned well to prod. MAR 31 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 22-hr test, gas lifted 794 BO,
101 BW, 1032 MCF gas w/1200 psi inj press. APR 03 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
3/31	24	989	414	1060	1200
4/1	24	481	390	1045	1200
4/2	24	869	289	1060	1200

 APR 04 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 724 BO,
130 BW, 1060 MCF gas w/1200 psi inj press. APR 05 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 802 BO,
259 BW, 1060 MCF gas w/1200 psi inj press. APR 06 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 801 BO,
392 BW, 1046 MCF gas w/1200 psi inj press. APR 07 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. Pb 14,047. On 24-hr test, gas lifted 791 BO,
366 BW, 1060 MCF gas w/1250 psi inj press. APR 10 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)
APR 11 1978

TD 14,095. PB 14,047. On various tests, gas lifted:

Rept date	Hrs	BO	BW	MCF Gas	Inj Press
4-7	24	764	386	1104	1250
4-8	24	744	302	761	1250
4-9	24	720	367	870	1250

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted: 664 BO,
251 BW, 870 MCF gas, w/1250 psi inj press. APR 12 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 731 BO
318 BW, 870 MCF gas w/1250 psi inj press. APR 13 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 635 BO,
386 BW, 843 MCF gas w/1250 psi inj press. APR 14 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 680 BO,
324 BW, 1571 MCF gas w/1250 psi inj press. APR 17 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, prod; 714 BO,
482 BW, 1863 MCF gas w/360 psi. APR 18 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, prod 685 BO,
367 BW, 1605 MCF gas w/350 psi. APR 19 1978

Shell-Tenneco-LVO-
Crook 1-6B4

TD 14,095. PB 14,047. On ~~hr~~ test, prod 736 BO,
528 BW, 1556 MCF gas w/300 psi. APR 20 1978

Shell-Tenneco-LVO
Crook 1-6B4

TD 14,095. PB 14,788. On various test prod:

<u>Rept date</u>	<u>Hrs</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Press</u>
4-17	24	655	426	1556	300
4-18	24	689	389	1471	300
4-19	24	724	380	1556	350

 APR 21 1978

Shell-Tenneco-LVO
Crook 1-6B4

TD 14,095. PB 14,788. After work, returned well to prod
on central gas lift & is prod'g approx 700 BO & 300 BW per
day.

FINAL REPORT APR 21 1978

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(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 2485' FNL & 1203' FEL Section 6</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 Crook</p> <p>9. WELL NO. 1-6B4</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/4 NE/4 Section 6-T2S-R4W</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6592 KB</p>	<p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</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>Convert to gas lift</u>	<input checked="" type="checkbox"/>
(Other) <u>Convert to gas lift</u>	<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.)*

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: June 1, 1978
BY: R. H. Dunsall

See attachment

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

SIGNED R. Plautz TITLE Div. Oper. Engr. DATE 5/25/78

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
cc: USGS (for info) w/attachment

CONVERT TO GAS LIFT

ALTAMONT

SHELL-TENNECO-LVO

LEASE

CROOK

WELL NO.

1-6B4

DIVISION

WESTERN

ELEV

6592 KB

FROM: 1/11 - 4/24/78

COUNTY

DUCHESNE

STATE

UTAH

UTAH

ALTAMONT

Shell-Tenneco-LVO-

Crook 1-6B4

(Convert to gas lift)

"FR" TD 14,095. PB 14,075. AFE #571304 provides funds to convert from beam to gas lift. 1/9 MI&RU WOW #12. CP 150#; bled off. Pmp'd hot prod wtr down csg, removed horse hd & RU to pull rods. Pmp'd 500 bbls hot wtr down csg; freed rods. Could not pmp down tbg. LD 133 1" & 36 7/8" & started pull'g hard. SD & pmp'd 100 bbls hot wtr down csg. Started pull'g rods while pmp'g down csg. POOH; had total of 133 1", 138 7/8", 16 3/4" rods & parted rod body. SI well. 1/10 Sml amt press on tbg & csg - gas; bled off. Installed BOP & got out of Mdl D pkr. Pulled 56 jts tbg filled w/wtr. Pulled 6 jts plug'd w/1/2 dried oil & 1/2 wtr. Well blew out tbg; cap'd well in. SD while bleeding down well. Pulled 40 more jts & started to get a little press. SD to get 1-1/4" tbg w/overshot to wash down & latch fish. SI well overnight.

JAN 11 1978

Shell-Tenneco-LVO-

Crook 1-6B4

(Convert to gas lift)

TD 14,095. PB 14,075. Got 2200' 1-1/4" tbg & RU to run tbg. Made up overshot w/cross over to 1-1/4" tbg to try & circ down & latch fish. Started in hole pmp'g 190 deg prod wtr down 1-1/4" tbg & out 2-7/8 tbg. Had to circ 1st 20 jts all the way to get down. Ran 10 jts then circ'd out wax. Got down approx 950'. SI for night.

JAN 12 1978

Shell-Tenneco-LVO-

Crook 1-6B4

(Convert to gas lift)

TD 14,095. PB 14,075. TIH w/1-1/4" & overshot & latched onto fish @ 1851. Unseated pmp & pmp'd 40 bbls prod wtr down tbg. POOH & LD 1-1/4 tbg. RU to pull rods. POOH w/remainder of rods & pmp. RU to pull 2-7/8 tbg. Started out of hole w/tbg.

JAN 13 1978

Shell-Tenneco-LVO-

Crook 1-6B4

(Convert to gas lift)

TD 14,095. PB 14,075. 1/13: Pumped wtr down csg while pulling tbg. Installed 10" BOP. Layed down 107 jts of 5 1/2" csg. Installed 6" BOP. Started in hole w/tbg. SI. 1/14: No press. Ran tbg & mandrels. Ran 4300' & pumped tbg clear. Started running 2 jts & pumping clear. Had to go up to 4000# to clean out. Pumping down csg while running tbg. Still had trouble w/wax in tbg. Would pull 5-7000# over & turn loose. Circ over assy. SI

JAN 13 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)
JAN 17 1978

TD 14,095. PB 14,075. POOH w mandrels. Made up
7" 26# Model "C" full bore pkr. RIH w/pkr, 1 jt tbg,
45 seat nipple, #1 mandrel & rest of mandrels.
Pkr @ 11,560'. Removed BOP.

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. No report.
JAN 18 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. No report.
JAN 19 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 14-hr test, prod 4 BO, 0 BW, 0
MCF gas w/300 psi.
JAN 20 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, prod 16 BO, 4004 BW,
1019 MCF gas w/150 psi.
JAN 23 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, prod 16 BO, 1 BW,
965 MCF gas w/100 psi.
JAN 24 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, prod 53 BO, 1 BW,
1045 MCF gas w/200 psi.
JAN 25 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, prod 5 BO, 1 BW,
872 MCF gas w/250 psi.
JAN 26 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On various tests, prod:

Rept Date	Hrs	BO	BW	MCF Gas	Press
1/23	24	12	5	911	200
1/24	SI				
1/25	24	4	2	920	150

JAN 27 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, prod 0 BO, 0 BW,
741 MCF gas w/150 psi.
JAN 30 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
1/27	24	142	131	741	1050
1/28	18	54	0	653	1050
1/29	24	0	9	741	1050

JAN 31 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 10 BO,
236 BW, 670 MCF gas w/1050 psi inj press. FEB 01 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 6 BO,
111 BW, 529 MCF gas w/850 psi inj press. FEB 02 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. Gauge not available. FEB 03 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 14 BO,
112 BW, 481 MCF gas w/1100 psi inj press. FEB 03 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
2/2	24	7	137	470	1100
2/3	19	0	104	419	1100
2/4	24	0	225	635	1100
2/5	24	7	182	608	1100

FEB 07 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 13 BO,
199 BW, 574 MCF gas w/1100 psi inj press. FEB 08 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 16 BO,
217 BW, 794 MCF gas w/1100 psi inj press. FEB 09 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 25 BO,
348 BW, 1076 MCF gas w/1100 psi inj press. FEB 10 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 30 BO,
332 BW, 1215 MCF gas w/1100 psi inj press. FEB 13 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
2/10	24	29	292	1145	1100
2/11	24	29	266	1015	1100
2/12	24	30	265	1015	1100

FEB 14 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 31 BO,
249 BW, 1015 MCF gas w/1100 psi inj press. FEB 15 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 27 BO,
232 BW, 902 MCF gas w/1100 psi inj press. FEB 16 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. Gauge not available. 1978
FEB 17

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 27 BO,
213 BW, 969 MCF gas w/1100 psi inj press. FEB 21 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 24 BO,
201 BW, 885 MCF gas w/1100 psi inj press. FEB 22 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 25 BO,
202 BW, 1015 MCF gas w/1100 psi inj press. FEB 23 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
2/18	24	29	216	1015	1100
2/19	24	25	206	931	1100
2/20	24	26	215	931	1100
2/21	24	35	276	1076	1100
2/22	24	29	253	918	1100

FEB 24 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 27 BO,
254 BW, 930 MCF gas w/1100 psi inj press. FEB 27 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. On 24-hr test, gas lifted 23 BO,
221 BW, 667 MCF gas w/1100 psi inj press. FEB 28 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. 2/27 SI gas lift inj & bled off
tbg & csg. MI&RU WOW #19. Pmp'd 250 bbls hot prod wtr
to clean up wax. Removed tree & installed & tested BOP's.
PU tbg off donut & released full bore pkr. 2/28 Pmp'd
200 bbls prod wtr down tbg; no circ. POOH & LD full
bore pkr & gas lift mndrls. PU 10' - 6-1/8" OD shoe
on btr - WP & RIH on 2-7/8 tbg. Prod wtr run'g into
well while RIH. RIH to top of pkr & RU power swivel.
SI well overnight. MAR 01 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. No report.
MAR 02 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,075. 2/28 Pmp'd 200 bbls prod wtr down tbg; no circ. POOH & LD full bore pkr & gas lift mndrls. RIH w/10' 6-1/8" OD shoe on btm WP (prod wtr run'g into well while RIH). Ran to top of pkr & RU power swivel. SD for night. 3/1 Rev circ'd w/450 bbls prod wtr & est circ. Rev circ'd another 100 bbls to clean up oil & gas. Milled & washed over pkr & ran down to liner top w/WP. Rev circ'd 1/2 hr 120 bbls to clean up. RD power swivel. POOH & LD washover pipe. RIH w/overshot dressed to catch lower half on-off seal connector. SD for night. 3/2 Fin'd RIH w/overshot. Engaged on-off seal connector & POOH. Rec'd on-off connector, seal assy, remains of pkr & 30' prod tube. PU 4-1/8 mill & RIH; mill stop'd just inside liner. RU power swivel & milled 1/2 hr while pmp'g down csg; no returns. Mill fell free. RD power swivel. RIH w/mill to 13,950 & SD for night. MAR 0 3 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. 3/3 With mill @ 13,950, pmp'd 2000 bbls prod wtr in rev & circ'd only a sml amt. Pmp'd 500 more bbls & circ'd about 1/2" stream. Milled down to 14,050. Had to pmp 50 bbls min after each connection to get a trickle of returns. POOH; LD sgl. LD 5 jts & tbg pull'g wet. Tried to est rev circ; did not w/500 bbls. Tried to pmp out tbg & could not. 3/4 Tbg did not drain overnight. POOH; pull'g wet string. LD mill. MI&RU OWP to perf as per prog w/3-1/8 csg gun @ 3 holes/ft. Run #1 - SICP 0 & FL 3800; perf'd 14,036 thru 13,820 (15' & 45 holes). Run #2 - SICP 0 & FL 3800; perf'd 13,787 thru 13,645 (15' & 45 holes). Run #3 - SICP 0 & FL 3700; perf'd 13,633 thru 13,474 (15' & 45 holes). SI well. MAR 0 5 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. Pmp'd 100 bbls hot prod wtr down csg. Perf'd as folls: Run #4 - SICP 60# & FL 3400; perf'd 13,460 thru 13,286 (10' & 30 holes). Run #5 - SICP 60# & FL 2900; gun misfired 6 section (shot 6' high) - shot @ 13,267, 13,239, 13,230, 13,213, 13,211, 13,207 & 13,204 (7' & 21 holes). Run #6 - SICP 60# & FL 2600; perf'd 13,192 thru 13,129 (10' & 30 holes). Run #7 - SICP 80# & FL 2400; perf'd 13,114 thru 13,044 (10' & 30 holes). Run #8 - SICP 80# & FL 2400; perf'd 13,019 thru 12,947 (10' & 30 holes). Run #9 - SICP 100# & FL 2200; perf'd 12,944 thru 12,896 (10' & 30 holes). Run #10 - SICP 100# & FL 1800; perf'd 12,805 thru 12,632 (10' & 30 holes). Run #11 - SICP 100# & FL 1600; perf'd 13,263, 13,245, 13,236, 13,219, 13,217, 13,199, 13,196, 12,865, 12,857, 12,855, 12,844 & 12,832 (12' & 36 holes). Run #12 - SICP 100# & FL 1600; perf'd 12,615 thru 12,241 (10' & 30 holes). SI for night.

MAR 0 7 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. 12-hr SICP 500 psi. Pmp'd 100 bbls hot prod wtr down csg & made last perf'g run. Run #13 - 200 psi & FL @ sfc; perf'd 12,235 thru 11,805 (9' & 27 holes). Lubri'd in hole w/Bkr 7" Mdl D pkr w/flapper & set @ 11,630. RD OWP. RIH w/seal assy & 5' prod tube. Tag'd pkr & pmp'd 80 BW down tbg. Drop'd SV. Press tested tbg to 6500 psi, ok. RIH w/sdline to fish SV; unable to latch onto SV. SI well overnight.

MAR 0 8 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. Rev circ 400 bbls prod wtr. MI&RU slickline. RIH & latched onto SV. POOH & RD slickline trk. Pmp'd 150 bbls 190 deg prod wtr down tbg. Latched into Mdl D pkr & landed tbg on hanger w/18,000# tension. RU swb equip. FL 1st run 3000'. SF 4000'. FL 2nd run 3100'; SF 4100'. FL 3rd run 2200'; SF 3200'. FL 4th run 2100'; SF 3100'. FL 5th run 2100'; SF 3100'. Swb'd all wtr. RD swb equip. Installed BPV, removed BOP & installed 10,000# WH. Removed BPV. Press tested csg to 3000 psi, ok.

MAR 09 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. SITP 200 psi. BJ acdz'd 517 holes from 11,757-14,036 w/50,000 gals 7-1/2% HCl as per prog. Held 3000 psi on annulus thruout job. Pmp'd 1190 bbls 7-1/2% HCl, 600 ball sealers (7/8" RCN w/1.2 sp gr) & 6000# Divert II. Max press 9000 psi, min 6000, avg 8200. Max rate 13.5 B/M, min 10, avg 11.5. ISIP 5000 psi, 5 mins 4600, 10 mins 4370, 15 mins 4250. No indication of communication across pkr. 2-1/2-hr SIP 2000 psi, 3-1/2 700, 4-1/2 500. After attempting to log, SIP 100 psi. RD BJ. MI&RU OWP to run GR log. Started log'g from btm up. Collar locator stop'd work'g; POOH. Prep to rerun log.

MAR 10 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. 3/10 SITP 0. RIH w/GR & log'd from 14,034-11,530. RD OWP. Installed BPV, removed 10,000# WH & installed BOP's. Unlatched from Mdl D pkr & POOH w/tbg. LD seal assy. PU repaired latch-in seal assy & started in hole w/gas lift mndrls & valves in place. 2/11 SITP & SICP 0. Fin'd RIH w/prod equip. Latched into pkr & marked for spacing out. Unlatched & circ'd down tbg w/400 bbls hot prod wtr to clean up tbg & csg. Latched back into pkr & landed tbg on donut w/8000# tension. Installed & tested 5000# tree; tbg on vac. Hooked up flw-line & gas inj lines. RD WOW #19 & turned well over to prod 2 p.m. 3/11/78.

MAR 13 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. Well on gas lift; MO WOW #17.

MAR 14 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. Gauge not available.

MAR 15 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 837 BO, 808 BW, 1110 MCF gas w/1100 psi inj press.

MAR 16 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
3/13	24	1184	771	1810	1100
3/14	24	1242	651	1034	1100
3/15	24	1029	344	1221	1200

MAR 17 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 1094 BO, 215 BW, 1203 MCF gas w/1200 psi inj press. (Report discontinued until further activity)

MAR 20 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. (RRD 3/20/78) 3/30 MI&RU Schl &
ran prod log as per prog. Fluid entries as folls:
largest entry @ 12,860, 2nd @ 13,060, 3rd @ 13,760 & sml
entries @ 11,805, 11,905, 12,160 & from 13,040-13,290.
RD Schl & returned well to prod. MAR 31 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 22-hr test, gas lifted 794 BO,
101 BW, 1032 MCF gas w/1200 psi inj press. APR 03 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
3/31	24	989	414	1060	1200
4/1	24	481	390	1045	1200
4/2	24	869	289	1060	1200

 APR 04 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 724 BO,
130 BW, 1060 MCF gas w/1200 psi inj press. APR 05 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 802 BO,
259 BW, 1060 MCF gas w/1200 psi inj press. APR 06 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 801 BO,
392 BW, 1046 MCF gas w/1200 psi inj press. APR 07 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 791 BO,
366 BW, 1060 MCF gas w/1250 psi inj press. APR 10 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)
APR 11 1978

TD 14,095. PB 14,047. On various tests, gas lifted:

Rept date	Hrs	BO	BW	MCF Gas	Inj Press
4-7	24	764	386	1104	1250
4-8	24	744	302	761	1250
4-9	24	720	367	870	1250

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted: 664 BO,
251 BW, 870 MCF gas, w/1250 psi inj press. APR 12 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 731 BO
318 BW, 870 MCF gas w/1250 psi inj press. APR 13 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 635 BO,
386 BW, 843 MCF gas w/1250 psi inj press. APR 14 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, gas lifted 680 BO,
324 BW, 1571 MCF gas w/1250 psi inj press. APR 17 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, prod; 714 BO,
482 BW, 1863 MCF gas w/360 psi. APR 18 1978

Shell-Tenneco-LVO-
Crook 1-6B4
(Convert to gas lift)

TD 14,095. PB 14,047. On 24-hr test, prod 685 BO,
367 BW, 1605 MCF gas w/350 psi. APR 19 1978

Shell-Tenneco-LVO-
Crook 1-6B4

TD 14,095. PB 14,047. On ~~hr~~ test, prod 736 BO,
528 BW, 1556 MCF gas w/300 psi. APR 20 1978

Shell-Tenneco-LVO
Crook 1-6B4

TD 14,095. PB 14,788. On various test prod:

<u>Rept date</u>	<u>Hrs</u>	<u>BO</u>	<u>BW</u>	<u>MCF Gas</u>	<u>Press</u>
4-17	24	655	426	1556	300
4-18	24	689	389	1471	300
4-19	24	724	380	1556	350

APR 21 1978

Shell-Tenneco-LVO
Crook 1-6B4

TD 14,095. PB 14,788. After work, returned well to prod
on central gas lift & is prod'g approx 700 BO & 300 BW per
day.

FINAL REPORT APR 21 1978

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.
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 831 Houston, Texas 77001		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 2485' FNL & 1203' FEL		8. FARM OR LEASE NAME Crook
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6592' KB	9. WELL NO. 1-6B4
		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/4 NE/4 Sec. 6-T2S-R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

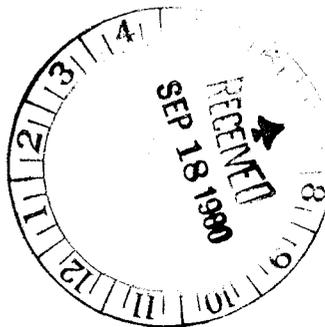
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	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 checked="" 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) <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.)*

See attached.



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

SIGNED [Signature] TITLE Division Production Engineer DATE 9/15/80

(This space for Federal or State office use)

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

Proposed Operations:

Pull rods and pump, pull tubing and on-off connector, mill out Model D packer at 11,630'. Clean out 5" liner from top at 11,651' to 14,060'. Perforate 11,805'-14,036' (417 holes) with casing gun. AT perforations 11,757'-14,036' (517 holes total). Flow well until it dies, install 7" Baker Model D packer at 11,630' and run gas lift equipment. Put well on production.

Procedure:

1. MIRU completion rig. Install BOP. Load hole with produced water.
2. Pull rods and pump. Pull 2 7/8" tubing and on-off connector.
3. Mill out Baker Model D packer at 11,630'.
4. Clean out 5" liner with mill or bit from top at 11,651' to 14,060'. Spot 45 bbls of clean water.
5. Perforate three holes per foot at each of the depths shown on Attachment I, 11,805'-14,036' (417 holes). Depth reference is the OWP GR/CBL dated 7-19-73.

Note: a. Perforate from bottom up using a 3 1/8" casing gun with 13.5 gm charges. Shoot 3JSPF at each depth with perforations oriented 120° to each other.

b. Record pressure changes during and after perforating.

6. RIH with a 5" Baker Model C Full-Bore packer with unloading sub on 2 7/8" tubing. Set packer at 11,700'. (Note: If high pressure is encountered after perforating, lubricate in a 7" Baker Model D packer and set at 11,630'). If well will flow, flow for 4-5 days to clean up before acid treating. If well will not flow, swab down to clean up perforations.
7. Acid treat the 517 perforations (417 new, 100 old) from 11,757' to 14,036' with 50,000 gals (1190 bbls) of 7 1/2% HCl as follows:
 - a. Pump 6000 gals of acid with 100 ball sealers (7/8" RCN w/S.G. 1.2) distributed evenly in the acid.
 - b. Pump 1000 gals acid with 1000# Divert II distributed evenly in the acid.
 - c. Repeat Steps a. and b. six times each.

- d. Pump 8000 gals acid.
- e. Flush with 115 bbl clean produced water.
- f. Record instantaneous shut down pressure and decline.
 - 1) Acid to contain 3 gals C-15, 3 gals J-22, 3 gals G-10 and 1.5# 20-40 mesh RA sand per 1000 gals acid. Flush water should contain 3 gals G-10 per 1000 gals.
 - 2) Heat all fluids to 100°F.
 - 3) Hold 3500 psi on annulus during treatment.
 - 4) Pumping rates - establish an injection rate of 12 BPM. Maintain this rate until wellhead pressure approaches 10,000 psi, thereafter continue injecting acid (and flush) at maximum possible rates (do not exceed 12 BPM) while not exceeding 10,000 psi WHP.
- 8. Run GR log from 14,060' to packer at 11,700'.
- 9. Open well to flow at maximum rate. If well will not flow, attempt to swab in.
- 10. Produce well until it ceases to flow. Then pull tubing and packer. Set 7" Baker Model D packer at 11,630'. Run tubing with gas lift mandrels and valves spaced and set as per approved AFE to install gas lift. Put well on production.

DAL:AC

J. A. Stanzione

ATTACHMENT I
CROOK 1-6B4

Proposed Perforation Depths: Depth Reference OWP GR/CBL dated 7-19-73

11805	12708	13009	13199	13552	13836
11903	12736	13014	13210 ✓	13554	13852
11916	12780	13017	13213 ✓	13566	13872
12047	12805	13019	13217	13571	13895
12123	12832	13033	13219	13584	13902
12140	12844	13049	13236	13596	13923
12161	12855	13052	13245	13605	13928
12227	12857	13054	13263	13617	13943
12235	12865	13062	13267 ✓	13633	13967
12241	12896	13064	13286	13645	13972
12322	12900	13065	13293	13650	13994
12367	12905	13067	13311	13669	14002
12426	12909	13108	13330	13675	14030
12505	12914	13114	13341	13681	14036
12510	12921	13129	13366	13691	
12535	12926	13133	13392	13711	(3 JSPF - Total
12544	12935	13140	13419	13731	417)
12572	12940	13142	13445	13744	
12615	12944	13162	13460	13760	
12632	12947	13169	13474	13763	
12646	12950	13177	13506	13769	
12684	12960	13180	13510	13771	
12688	12969	13187	13521	13783	
12703	12981	13192	13522	13787	
12706	13002	13196	13533	13820	

WELL:

CROOK 1-6B4

LABEL: -----
WO NO.: 589007
FOREMAN: K. J. DESHOTEL
RIG: WOW #12
AUTH. AMNT: 30000 5/3-5/80
DAILY COST: NONE
CUM. COST: 4900
TYPE OF JOB: REMEDIAL OIL
OBJECTIVE: CLEAN OUT LINER - ACIDIZE AND RETURN TO PRODUCTION.

DATE(S): 5-4- AND 5-5-80
PRESENT STATUS: MILL OUT MODEL D PACKER.
ACTIVITY: 5-4-80 - SHUTDOWN
02
03 5-5-80 - MILL OUT MODEL D PACKER.

WELL: CROOK 1-6B4

LABEL: -----
WO NO.: 589007
FOREMAN: K. J. DESHOTEL
RIG: WOW #12
AUTH. AMNT: 30000
DAILY COST: 4350 MAY 6 1980
CUM. COST: 9250
TYPE OF JOB: REMEDIAL OIL
OBJECTIVE: CLEAN OUT LINER - ACIDIZE AND RETURN TO PRODUCTION.

DATE(S): 5-5 AND 5-6-80
PRESENT STATUS: MILL OUT MODEL D PACKER.
ACTIVITY: RIH AND TAG PACKER AT 11630. ATTEMPT TO ESTABLISH
02 CIRCULATION. UNABLE TO CIRCULATE HOLE. LATCHED
03 PACKER. PICKED UP POWER SWIVEL. STARTED MILLING
04 OVER PACKER. MILLED FOR APPROX. 6 HOURS BEFORE
05 MILLING THROUGH. PULLED 2000 OF TBG. WELL
06 STARTED FLOWING. PUMPED 200 BBLs. WATER DOWN
07 TBG. AND PULLED 3000 OF TBG. PULLED A TOTAL OF
08 5000 TBG. S.D.O.N.
09
10 5-6-80 - STATUS - PULL TBG. AND RIH WITH 4 1/8 IN.
11 O.D. MILL.

WELL:

CROOK 1-6B4

LABEL: -----

INFO

WO NO.: 589007
 FOREMAN: K.J.DESHOTEL
 RIG: WOW #12
 AUTH. AMNT: 30000 MAY 7 1980
 DAILY COST: 3100
 CUM. COST: 12350
 TYPE OF JOB: REMEDIAL OIL
 OBJECTIVE: CLEAN OUT LINER - ACIDIZE AND RETURN TO PRODUCTION.

DATE(S): 5-7-80
 PRESENT STATUS: CLEAN OUT LINER
 ACTIVITY: FINISH PULLING TBG. MADE UP 4 1/8 IN. TBG. MILL + RIH
 02 + TAG SCALE AT 12135. ATTEMPTED TO ESTABLISH CIRCULATION
 03 UNABLE TO CIRCULATE HOLE. PICKED UP POWER SWIVEL STARTED
 04 MILLING ON SCALE WHILE PUMPING. MILLED FOR APPX. 1 HR.
 05 BEFORE FALLING THROUGH. LAYED DOWN SWIVEL AND RIH TO
 06 13338 FT. PICKED UP SWIVEL MILLED FOR APPX. 30 MINUTES
 07 BEFORE FALLING THROUGH. RIH TO 13950 FT. AND TAG.
 08 ~~UNABLE TO CIRCULATE HOLE FILL REAL SOFT DID NOT ATTEMPT~~
 09 ~~TO GO BELOW 13950 POOH LAYING DOWN TBG. PULLED 8500 FT.~~
 10 ~~OF TBG S.D.O.N.~~

WELL:

CROOK 1-6B4

LABEL: -----

INFO

WO NO.: 589007
 FOREMAN: K.J.DESHOTEL
 RIG: WOW #12
 AUTH. AMNT: 30000 MAY 8 1980
 DAILY COST: 5515
 CUM. COST: 17865
 TYPE OF JOB: REMEDIAL OIL
 OBJECTIVE: CLEAN OUT LINER - ACIDIZE AND RETURN TO PRODUCTION.

DATE(S): 5-8-80
 PRESENT STATUS: RIH TEST TBG. ACIDIZE
 ACTIVITY: FINISH TRIP OUT W/ 4 1/8 IN. MILL OK MAKE UP + RUN
 02 7 IN. 26 LB. FULL BORE PKR. W/ UNLOADING SUB. + 45
 03 SN ABOVE UNLOADER W SV IN PLACE. RIH 378 JTS. SET
 04 PKR. AT 11606 FT W/ 17000 LBS TENSION. TESTED TBG.
 05 TO 6500 LBS. OK RIG UP SAND LINE RIH + FISH SV POOH
 06 W/ SANDLINE. TEST CSG. TO 2500 LBS. OK REMOVE BOP
 07 INSTALL 10000 LB. TREE. TEST TREE OK R.U.B.J TO
 08 ACIDIZE. STARTED ACID JOB PUMPED 120 BBLs. P.W. PAD.
 09 B.J.S MONITORS + COMMUNICATIONS SHORTED OUT DUE TO
 10 HEAVY RAIN. S.D ACID JOB. S.D.O.N.

WELL:

CROOK 1-6B4

LABEL:

WO NO.:

589007

FOREMAN:

K. J. DESHOTEL

RIG:

WOW #12 MAY 9 1980

AUTH. AMNT:

30000

DAILY COST:

5515

CUM. COST:

17865

TYPE OF JOB:

REMEDIAL OIL

OBJECTIVE:

CLEAN OUT LINER - ACIDIZE AND RETURN TO PRODUCTION.

DATE(S):

5-8-80

PRESENT STATUS:

RIH TEST TBG. ACIDIZE

WELL:

CROOK 1-6B4

LABEL:

WELL COMPLETE - CAPABLE OF PRODUCTION

WO NO.:

589007

FOREMAN:

K. J. DESHOTEL

RIG:

WOW #12

AUTH. AMNT:

30000

DAILY COST:

NONE

CUM. COST:

47157

TYPE OF JOB:

REMEDIAL OIL

OBJECTIVE:

CLEAN OUT LINER - ACIDIZE AND RETURN TO PRODUCTION.

DATE(S):

5-9 AND 5-10-80

PRESENT STATUS:

PRODUCING

LATEST TEST:

28 OIL - 813 WATER - 581 GAS - INJ. 511 - 64/64 CHOKE.

WELL:

CROOK 1-6B4

LABEL:

WO NO.:

589007

FOREMAN:

K. J. DESHOTEL

RIG:

WOW #12

MAY 13 1980

AUTH. AMNT:

30000

DAILY COST:

NONE

CUM. COST:

47157

TYPE OF JOB:

REMEDIAL OIL

OBJECTIVE:

CLEAN OUT LINER - ACIDIZE AND RETURN TO PRODUCTION.

DATE(S):

5-12-80

PRESENT STATUS:

PRODUCING

LATEST TEST:

29 OIL - 617 WATER - 573 GAS - INJECTED 473.

ACTIVITY:

29 OIL - 617 WATER - 573 GAS. INJECTED 473 GAS.

02

T.P. - 100#. C.P. - 1090#.

WELL:

CROOK 1-6B4

LABEL:

WO NO.:

589007

FOREMAN:

K. J. DESHOTEL

RIG:

WOW #12

AUTH. AMNT:

30000

DAILY COST:

NONE MAY 14 1980

CUM. COST:

NONE

TYPE OF JOB:

REMEDIAL OIL

OBJECTIVE:

CLEAN OUT LINER - ACIDIZE AND RETURN TO PRODUCTION.

DATE(S):

5-13-80

PRESENT STATUS:

PRODUCTION TEST

LATEST TEST:

23 OIL 489 WATER 573 MCF INJ. 233

ACTIVITY:

TUBING PRESSURE 175 LBS. CP 1300 LBS. 64/64 CK.

WELL:

CROOK 1-6B4

MAY 16 1980

LABEL:

WO NO.:

589007

FOREMAN:

K. J. DESHOTEL

RIG:

WOW #12

AUTH. AMNT:

30000

DAILY COST:

NONE

CUM. COST:

NONE

TYPE OF JOB:

REMEDIAL OIL

OBJECTIVE:

CLEAN OUT LINER - ACIDIZE AND RETURN TO PRODUCTION.

DATE(S):

5-13-80

PRESENT STATUS:

PRODUCTION TEST

INFO

LATEST TEST:

23 OIL 489 WATER 573 MCF INJ. 233

WELL:

CROOK 1-6B4

LABEL:

████████████████████

WO NO.:

589007

FOREMAN:

K. J. DESHOTEL

RIG:

WOW #12

AUTH. AMNT:

30000

DAILY COST:

NONE

CUM. COST:

47157

TYPE OF JOB:

REMEDIAL OIL

OBJECTIVE:

CLEAN OUT LINER - ACIDIZE AND RETURN TO PRODUCTION.

5/17-19/80

DATE(S):

5-16-80

PRESENT STATUS:

PRODUCING

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

SUBMIT IN TRIPLICATE*
(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 WOK		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 2485' FNL + 1203' FEL SEC. 6		8. FARM OR LEASE NAME CROOK																				
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6592' KB	9. WELL NO. 1-684																				
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT ALTA MOUNT																				
<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 checked="" type="checkbox"/></td> <td>ABANDON* <input 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 checked="" 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) <input type="checkbox"/>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE 1/4 NE 1/4 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 checked="" 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) <input type="checkbox"/>																				
		12. COUNTY OR PARISH 18. STATE DUCHESSNE 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

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 8-31-81
BY: [Signature]

RECEIVED

DIVISION OF
OIL, GAS & MINING

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

SIGNED [Signature] TITLE DIVISION PROD. ENGINEER DATE 8-19-81
W. E. N. KELLDORF

(This space for Federal or State office use)

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

REMEDIAL PROGNOSIS
CROOK 1-6B4
SECTION 6, T2S, R4W
DUCHESNE COUNTY, UTAH
ALTAMONT FIELD

Pertinent Data:

Shell's Share: 48.54%

Elevation (KB): 6592'

Elevation (GL): 6563'

TD: 14,095'

PBTD: 13,950'

Casing: 7", 26#, S-95 surface to 11,849'

Liner: 5", 18#, S00-95 and N-80. Hanger at 11,651', bottom at 14,094'

Tubing: 2-7/8", EUE, N-80 to 11,606'

Packer: 7" Guiberson Unipacker at 11,598'

Artificial Lift: Currently on gas lift

Existing Perforations: 11,757'-13,950' (529 holes)

Objective: CO and stimulate Wasatch with new technique.

Procedure:

1. MIRU. Load hole with clean produced water. Remove wellhead. Install and test BOPE as per field specs.
2. POOH with tubing and 7" Unipacker at 11,598' laying down gas lift mandrels while coming out.
3. RIH with mill. CO 5" liner to PBTD. Take 2 samples of scale in interval between 11,757'-13,950'. POOH.
4. RIH with tubing and 7" fullbore packer. Set at +11,598'. Pressure test casing to 2500 psi and tubing to 6500 psi.
5. Acidize perms 11,757'-13,950' (529 holes) with 40,000 gals. 15% HCl with Dowell's mud and silt remover (MSR-100) as follows:
 - a. Pump 1000 gals. 15% MSR acid to establish injection rate.
 - b. Pump 1000 gals. 15% MSR acid.
 - c. Pump 500 gals. WF-40 with 15 ball sealers and 250# benzoic acid flakes. (WF-40 = clean produced water with 40 lbs/gal. gel.)
 - d. Repeat Step (b) 39 more times and repeat Step (c) 38 more times for a total of 40 stages MSR acid and 39 stages of diverting materials. (Total of 40,000 gals. 15% MSR 100 acid and 585 ball sealers.)
 - e. Flush with 110 bbls WF-10 made with clean produced water containing 2% KCl.

- Notes:
1. Each acid stage to contain 1000 gal. 15% MSR 100 acid, 1% A-200 inhibitor, .3% W-27 non-emulsifier, 2.5 lb/1000 gal. J-120 friction reducer, 1 lb 20-40 mesh RA sand. (No RA sand in flush.)
 2. Each diverting stage to contain 500 gal. WF-40 (clean produced water with 50 lbs/gal. gel), 2% KCl, 250 lbs J-227 benzoic acid flakes, 15 ball sealers.
 3. Flush (WF-10) made with clean produced water and 10 lbs/gal. gel and 2% KCl.
 4. Maintain 2500 psi surface casing pressure during treatment is possible.
 5. Pumping rates: pump at maximum possible without exceeding 6500 psi differential pressure between tubing and annulus.
 6. Increase amount of diverting material if necessary to obtain a gradual increase in treating pressure and/or decrease in rate.
 7. Record ISIP and shut-in pressure decline for at least 20 minutes.
6. Run RA log as soon as possible from PBTD to 11,500'±.
 7. Attempt to recover unspent acid sample. Record pH of sample and send results to K. B. Mays, WCK 6469.
 8. POOH with tubing and packer.
 9. RIH with tubing, GL mandrels and 7" packer. Set packer at 11,600'±. Install GL mandrels as shown in Attachment I.
 10. Return well to production.
 11. Submit well tests on morning report until production stabilizes.

Requested by

K. B. Mays
 K. B. Mays

Approved by

D. D. Laumbach
 D. D. Laumbach

KBM:SJP
 7/24/81

8/6/81
 Date

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

SUBMIT IN TRIPLICATE*
(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 2485' FNL + 1203' FEL Sec. 6		8. FARM OR LEASE NAME CROOK
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6592' KB	9. WELL NO. 1-634
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT ALTAMONT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE 1/4 NE 1/4 T2S R4W
		12. COUNTY OR PARISH 18. STATE Duchesne Utah

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) <input 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 checked="" type="checkbox"/>	ABANDONMENT* <input 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.)*

SEE ATTACHED

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

SIGNED W. F. N. KELLORE TITLE DIVISION PROD. ENGINEER DATE 1-20-82

(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 352
ISSUED 11/24/81

WELL: 1-284
 LABEL: FIRST REPORT
 AFF: AFF 519667
 FOREMAN: KENT RUST
 RIG: WDW 10
 OBJECTIVE: C.O. AND STIMULATE
 AUTH. AMNT: 132000
 DAILY COST: 2550
 CUM COST: 2550
 DATE: 9-1-81
 ACTIVITY: 9-1-81 ACTIVITY: AFF 519667 PROVIDES FUNDS TO C.O.
 02 AND STIMULATE THE WASATCH (132000 DOLLARS) MOVED
 03 RIG IN AND SET UP PUMP PROD WTR DOWN WELL TO KILL
 04 IT REMOVED WH AND PUT ON BOP RELEASED 7 IN. GUIBERSON
 05 PKP AND POOH W/PKR AND TBG SDON

LABEL: -----
 DAILY COST: 2000
 CUM COST: 4550
 DATE: 9-2-81
 ACTIVITY: 9-2-81 ACTIVITY: RIG WITH 4 1/8 INCH MILL AND TBG.
 02 12000 FT. RIG UP DELSCO. RIG WITH SLICK LINE AND
 03 LATCH INTO COLLAR STOP AT 9755 FT.
 04 POOH WITH COLLAR STOP. RIG DOWN DELSCO. PICK UP
 05 78 JTS. OF TBG. AND RIG TAGGED PBD AT 13965 FT.
 06 DID NOT TAG ANY SCALE UNTIL PBD. POOH WITH TBG.
 07 AND 4 1/8 INCH MILL. LAID DOWN 78 JTS. OF
 08 TBG. S.D.O.N.

LABEL: -----
 DAILY COST: 4400
 CUM COST: 10950
 DATE: 9-3-81
 ACTIVITY: 9-3-81 ACTIVITY: FINISH COMING OUT OF HOLE WITH
 02 4 1/2 INCH MILL AND TBG. RIG WITH 7 INCH FULLBORE
 03 PKR. AND TBG. SET PKR. AT 11584 FT. LANDED TBG. W
 04 WITH 20000#. FILLED BACKSIDE WITH 200 BBL. WATER
 05 AND PSI. TESTED CSG. TO 2500# . REMOVED BOP AND
 06 PUT 10000# TREE ON. GET READY FOR ACID JOB.
 07 S.D.O.N.

ALTAMONT OPERATIONS
 DAILY COMPLETIONS AND REMEDIALS REPORT
 WELL HISTORY FOR WELL 352
 ISSUED 11/24/81

LABEL: 810908
 DAILY COST: 89700
 CUM COST: 89700
 DATE: 9-4-8-81
 ACTIVITY: 9-4-81 ACTIVITY: RIG UP DOWELL HELD SFTY MTG ACIDIZE
 02 ACCORDING TO PROG MAX RATE 19 BPM AVG RATE 19 BPM MIN
 03 RATE 11 BPM MAX PRESS 8900 PSI AVG PRESS 7900 PSI MIN
 04 PRESS 6000 PSI CSG 2500 PSI BALL 589 RAE 9750 LBS. 15% HCl
 05 584 BBL WF-40 468 BBL FLUSH 110 PRL TOTAL 1560 BBL
 06 JSIP 800 PSI @ 10 15 20 MIN-0 PSI RIG DOWN DOWELL
 07 RIG UP OWP RUN RA LOG FROM 13690 FT. TO 11400 FT. LOG
 08 SHOWS FAIR TREATMENT IN ABOUT 60% OF PERFS RIG DOWN OWP
 09 REMOVE 10000 PSI TREE AND PUT ON BOP RELEASE PKR START
 10 OUT OF HOLE W/27/8 IN. TBG AND 7 IN. PKR SDON
 11 9-5-81 ACTIVITY: FINISH COMONG OUT OF HOLE WITH TBG AND
 12 PKR RIH WITH TBG 9 CAMCO GAS LIFT MANDRELS AND 7 IN.
 13 GUIBERSON PKR SET @ 11600 FT. W/1500 PSI TENSION REMOVE
 14 BOP AND PUT ON 5000 PSI TREE RIG DOWN SDON
 15 FINAL RIG REPORT FOR THIS WELL TEST REPORTS WILL FOLLOW

LABEL: 810914
 DAILY COST: 810914
 CUM COST: 89700
 DATE: 9-7-8-9-10-11-81
 ACTIVITY: 9-7-81 ACTIVITY: HRS 24-OIL 49-WTR 377-MCF GAS 559
 02 CHOKE 36/64-FTP 100-INJ GAS 559
 03 9-8-81 ACTIVITY: HRS 24-OIL 38-WTR 487-MCF GAS 786
 04 CHOKE 45/64-FTP 200-INJ GAS 571
 05 9-9-81 ACTIVITY: HRS 24-OIL 50-WTR 392-MCF GAS 810
 06 CHOKE 45/64-FTP 100-INJ GAS 583
 07 9-10-81 ACTIVITY: HRS 24-OIL 62-WTR 356-MCF GAS 750
 08 CHOKE 45/64-FTP 100-INJ GAS 592
 09 9-11-81 ACTIVITY: HRS 24-OIL 58-WTR 373-MCF GAS 726
 10 CHOKE 50/64-FTP 125-INJ GAS 503

LABEL: FINAL REPORT
 DAILY COST: FINAL REPORT
 CUM COST: 89700
 DATE: 9-12-13-81
 ACTIVITY: 9-12-81 ACTIVITY: HRS 24-OIL 59-WTR 407-MCF GAS 582
 02 CHOKE 50/64-FTP 125-INJ GAS 557
 03 9-13-81 ACTIVITY: HRS 24-OIL 60-WTR 515-MCF GAS 618

ALTIAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 352
ISSUED 11/24/81

04

CHOKE 50/64-FTP 200-INJ GAS 518

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

5. LEASE DESIGNATION AND SERIAL NO.

Patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Crook

9. WELL NO.

1-6B4

10. FIELD AND POOL, OR WILDCAT

Altamont

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 6 T2S R4W
 SE/4 NE/4

12. COUNTY OR PARISH | 13. STATE

Duchesne

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 Shell Oil Company ATTN: B. T. Ellison 6486 WCK.

3. ADDRESS OF OPERATOR
 P. O. Box 831 Houston, Tx. 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
 At surface

2485' FNL & 1203' FEL Sec. 6

14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
 | KB 6592'

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
 FRACTURE TREAT
 SHOOT OR ACIDIZE
 REPAIR WELL
 (Other)

PULL OR ALTER CASING
 MULTIPLE COMPLETE
 ABANDON*
 CHANGE PLANS

WATER SHUT-OFF
 FRACTURE TREATMENT
 SHOOTING OR ACIDIZING
 (Other)

REPAIRING WELL
 ALTERING CASING
 ABANDONMENT*

(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.)*

Current Status: Currently producing 34 BOPD, 240 BWPD and 169 MCFPD gas from intervals below the Red Buds (11,757'-14,036').

Proposed Work: Perforate and acid treat the remainder of the Red Buds and Upper Transition (11,296'-11,677') with 15,000 gallons 7-1/2% HCL.

RECEIVED
 APR 06 1983

DIVISION OF
 OIL, GAS & MINING

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

SIGNED Bart T. Ellison TITLE Div. Prod. Engr. DATE 3/31/83

(This space for Federal or State office use)

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

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

STATEMENT IN TRIPPLICATE*
(Other instructions on reverse side)

2 17 8

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.)

5. LEASE DESIGNATION AND SERIAL NO.

Patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Crook

9. WELL NO.

1-6B4

10. FIELD AND POOL, OR WILDCAT

Altamont

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 6 T2S R4W
SE/4 NE/4

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Shell Oil Company ATTN: B. T. Ellison 6486 WCK.

3. ADDRESS OF OPERATOR

P. O. Box 831 Houston, Tx. 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

2485' FNL & 1203' FEL Sec. 6

RECEIVED
MAY 20 1983

DIVISION OF

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB 6592'

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(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.)*

COMPLETED OPERATIONS
(4/29-5/6/83)

Perforated and acid treated the Wasatch (11,296'-11,677') with 15,000 gallons 7-1/2% HCL. Returned well to production.

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

SIGNED

B. T. Ellison

TITLE

Div. Prod. Engr.

DATE

5/17/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE: UTAH
FIELD: ALTAMONT

WELL: CROOK 6B4

LABEL: FIRST REPORT
WO NO.: 586537
FOREMAN: BARRY THOMPSON
RIG: WOW 19

AUTH. AMNT: 81000
DAILY COST: 2822
CUM. COST: 2822
TYPE OF JOB: REMEDIAL OIL AND GAS
OBJECTIVE: CLEAN OUT PERFORATE AND ACIDIZE THE WASATCH

DATE(S): 4-29 THUR 5-2-83
PRESENT STATUS: CLEAN OUT TO 13860 FT
ACTIVITY: ACTIVITY WO 586537 PROVIDES FUNDS 81000 TO CLEAN OUT
02 PERFORATE AND ACIDIZE THE WASATCH MOVE RIG TO
03 LOCATION AND RIG UP BLEED GAS OFF CSG TO TREATOR
04 SDON 4-30 ACTIVITY BLEED PRESS OFF WELL PUMP
05 100 BBLs WTR DOWN TBG REMOVE WELLHEAD AND PUT BOP
06 ON RELEASE PKR AND POOH LAY DOWN GAS LIFT MANDRELS AND
07 PKR RIH W/4 1/8 IN MILL CLEAN OUT TOOL AND 376 JT TBG
08 SDON 5-1-83 SUNDAY 5-2-83 DAILY COST 3663 CUM COST
09 6485 ACTIVITY RIH W/TBG ON CLEAN OUT TAG AT 13860 FT
10 PICK UP POWER SWIVEL AND CLEAN OUT TO 13965 FT LAY
11 DOWN 90 JTS WORK STRING FINISH POOH W/TBG AND CLEAN
12 OUT TOOL RIH W/20 STDS TBG SDON

STATE: UTAH
FIELD: ALTAMONT

WELL: CROOK 6B4

LABEL: -----
WO NO.: 586537
FOREMAN: BARRY THOMPSON
RIG: WOW 19
AUTH. AMNT: 81000
DAILY COST: 11023
CUM. COST: 17500
TYPE OF JOB: REMEDIAL OIL AND GAS
OBJECTIVE: CLEAN OUT PERFORATE AND ACIDIZE THE WASATCH

DATE(S): 5-3-83
PRESENT STATUS: PERFORATE
ACTIVITY: BLEED PRESS OFF WELL. POOH WITH 20 STDS TBG. RIG
02 UP OWP. SET CIBP AT 11720. DUMP TWO SACKS SAND
03 ON TOP OF CIBP. PERF. ACCORDING TO PROG. FROM
04 11296 FT. TO 11677 FT. 75 HOLES. 0 PRESS. AFTER
05 PERFORATING. RIG DOWN OWP. RIH WITH 7 IN. 26 LB.
06 HD PKR. AND 45 SN AND 365 JTS. TBG. SDON.

STATE: UTAH
FIELD: ALTAMONT

WELL: CROOK 6B4

LABEL: -----
WO NO.: 586537
FOREMAN: BARRY THOMPSON
RIG: WOW 19
AUTH. AMNT: 81000
DAILY COST: 18466
CUM. COST: 35966
TYPE OF JOB: REMEDIAL OIL AND GAS
OBJECTIVE: CLEAN OUT PERFORATE AND ACIDIZE THE WASATCH

DATE(S): 5-4-83
PRESENT STATUS: ACIDIZE WELL
ACTIVITY: PROD AVG. FOR APRIL 40 OIL 19 WTR.
02 BLEED PRESS OFF WELL. FINISH RIH WITH PKR. SET
03 PKR. AT 11214 WITH 20000 LBS. COMPRESSION. LAND
04 TBG. FILL AND PRESS TEST CSG. TO 2500 LBS. REMOVE
05 BOP PUT ON WELLHEAD. RIG UP NOWSCO ACIDIZE ACCORD
06 ING TO PROG.
07 MAX RATE 12.3 MAX PRESS 8200 CSG 2500
08 AVG. RATE 9.8 AVG PRESS 7867
09 ISIP 2140 BALLS 75 EACH ACID 357 BBL
10 5 MIN 1860 BAF 1500 LB FLUSH 85 BBL
11 10 MIN 1670 TOTAL 442 BBL
12 15 MIN 1610
13 20 MIN 1570
14 RIG DOWN NOWSCO. SDON.

STATE: UTAH
FIELD: ALTAMONT

WELL: CROOK 6B4

LABEL: -----
WO NO.: 586537
FOREMAN: BARRY THOMPSON
RIG: WOW 19
AUTH. AMNT: 81000
DAILY COST: 1263
CUM. COST: 37229
TYPE OF JOB: REMEDIAL OIL AND GAS
OBJECTIVE: CLEAN OUT PERFORATE AND ACIDIZE THE WASATCH

DATE(S): 5-5-83
PRESENT STATUS: TURN WELL TO BATTERY
ACTIVITY: PROD AVG. FOR APRIL 40 OIL 19 WTR.
02 CHECK PRESS ON WELLHEAD HAD 1000 LBS. FLOW WELL
03 TO PIT TO UNLOAD WATER. STARTED MAKING OIL. HOOK
04 UP FLOWLINE. TURN WELL TO BATTERY. WELL FLOWING
05 OIL WITH 1000 LBS. TBG. PRESSURE ON AN 18 TBG.
06 CHOKE. SHUT RIG DOWN OVERNIGHT.

STATE: UTAH
FIELD: ALTAMONT
WELL: CROOK 6B4
LABEL: -----
WO NO.: 586537
FOREMAN: BARRY THOMPSON
RIG: WOW 19
AUTH. AMNT: 81000
DAILY COST: 3927
CUM. COST: 41156
TYPE OF JOB: REMEDIAL OIL AND GAS
OBJECTIVE: CLEAN OUT PERFORATE AND ACIDIZE THE WASATCH

DATE(S): 5-6-83
PRESENT STATUS: FINAL RIG REPORT.
ACTIVITY: 400 LBS. TBG. PRESS. FLOWED WELL UNTIL 11 AM.
02 PUMPED 150 BBLs. WTR. DOWN TBG. REMOVE WELLHEAD.
03 PUT BOP ON. RELEASE PKR. AND POOH. WELL BLEW IN
04 PUMP ANOTHER 50 BBLs. WTR DOWN TBG. LEAVE 20 STDS
05 TBG. IN HOLE SDON.
06 5-7-83 BLEED PRESS OFF WELL. PUMP 50 BBLs. WTR.
07 DOWN TBG AND CSG. FINISH POOH WITH TBG. LAY PKR.
08 DOWN. RIH WITH 7 IN. 26 LB. GUIBERSON UNI V1 +
09 45 SEAT NIPPLE. 9 CAMCO GAS LIFT MANDRELS AND 364
10 JTS. TBG. SET PKR. AT 11238 FT. WITH 20000 LBS.
11 TENSION. LAND TBG. STEAM OUT CELLAR. REMOVE BOP
12 AND PUT WELLHEAD ON. HOOK UP FLOWLINE AND TURN GAS
13 LIFT GAS ON. RIG DOWN RIG AND EQUIP. FINAL REPORT

STATE: UTAH
FIELD: ALTAMONT
WELL: CROOK 6B4
LABEL: FINAL REPORT
WO NO.: 586537
FOREMAN: BARRY THOMPSON
RIG: WOW 19
AUTH. AMNT: 81000
CUM. COST: 41156
TYPE OF JOB: REMEDIAL OIL AND GAS
OBJECTIVE: CLEAN OUT PERFORATE AND ACIDIZE THE WASATCH

DATE(S): 5-17-83
PRESENT STATUS: WELL ON PRODUCTION
LATEST TEST: 7 DAY AVE. 504 OIL 71 WTR 843 MCF 549 GAS INJ
ACTIVITY: RIG MOVED OFF WELL 5-7-83. ALL PROD IS FOR 24
02 HRS. WELL IS ON 64 CK. AND HAS 150 LBS ON TBG.
03 5-9 430 OIL 200 WTR 958 MCF 471 INJ
04 5-10 497 OIL 182 WW 884 MCF 628 INJ
05 5-11 368 OIL 53 WTR 884 MCF 598 INJ
06 5-12 274 OIL 36 WTR 811 MCF 633 INJ
07 5-13 242 OIL 12 WTR 811 MCF 670 INJ
08 5-14 214 OIL 9 WTR 775 MCF 560 INJ
09 5-15 205 OIL 9 WTR 775 MCF 582 INJ

Shell Oil Company



P.O. Box 831
Houston, Texas 77001

December 30, 1983

Mr. Norm Stout
State of Utah
Natural Resources
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Dear Mr. Stout:

TRANSFER OF OWNERSHIP AND ASSETS
FROM SHELL OIL COMPANY TO
SHELL WESTERN E&P INC.
STATE OF UTAH

In accordance with our recent conversation, the purpose of this letter is to reduce to writing that Shell Western E&P Inc. ("SWEPI"), a subsidiary of Shell Oil Company, has been formed. Shell Western E&P Inc. is a Delaware corporation with its offices located at 200 North Dairy Ashford Road in Houston, Texas. The mailing address is P. O. Box 831, Houston, TX 77001.

Effective January 1, 1984, Shell Oil Company will transfer portions of its oil and gas operations to Shell Western E&P Inc. and Shell Western E&P Inc. will assume all of the rights, interests, obligations and duties which Shell Oil Company currently has as a result of its exploration, development and production operations in the State of Utah.

As you are aware, Shell Oil Company is currently the holder of various permits and agency authorizations. In view of the fact that Shell Western E&P Inc. will assume all of the liabilities and obligations of Shell Oil Company's exploration and production activities within the state, we respectfully request that you transfer all permits or other authorizations from Shell Oil Company to Shell Western E&P Inc., effective January 1, 1984.

To support this request, a copy of the power of attorney appointing the undersigned as Attorney-in-Fact for Shell Western E&P Inc. is enclosed. On behalf of Shell Western E&P Inc., enclosed are recently issued Bond No. Shell 1835 and Bond No. Shell 1841. The bonds were issued by the Insurance Company of North America. In the near future, I shall request that the existing Shell Oil Company bonds be released.

It is my understanding, pursuant to our prior discussion, that this letter will comply with your requirement regarding the change in the name of the permittee.

Sufficient copies of this letter are being provided to your office so that a copy can be placed in each appropriate file. A listing of active wells is enclosed. Thank you in advance for your cooperation in this matter.

Yours very truly,

G. M. Jobe

G. M. Jobe
Administrator, Regulatory-Permits
Rocky Mountain Division
Western E&P Operations

GMJ:beb

Enclosures

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Crook 1-684

Suspense
(Return Date) _____

Other _____

(Location) Sec 6 Twp 25 Rng 4W

(To - Initials) _____

(API No.) 43-018-30012

1. Date of Phone Call: 7-6-89 Time: _____

2. DOGM Employee (name) John Baza (Initiated Call)
Talked to:

Name Eileen Day (Initiated Call) - Phone No. (303) 573-4476

of (Company/Organization) Coastal / ANR

3. Topic of Conversation: Correction of submitted info.

4. Highlights of Conversation: On Sundry Notice dated 3-9-89,
item 9 of procedure should read: "acidize
perfs 13,810' " instead of 13,180'.

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address

UTEX OIL CO.
% SHELL WESTERN E&P INC.

Duckey
N.T.C.

~~Operator name~~
PO BOX 576
HOUSTON TX 77001
ATTN: P.T. KENT, OIL ACCT.

Operator name change

Utah Account No. NO840

Report Period (Month/Year) 8 / 84

Amended Report

Well Name API Number	Entity	Location	Producing Zone	Days Oper	Production Volume		
					Oil (BBL)	Gas (MSCF)	Water (BBL)
RUDY 1-11B3	1820	02S 03W 11	WSTC	27	1821	2431	2818
SHELL OTE 1-36A3	01821	01S 03W 36	WSTC	28	1641	6288	3218
ROOK 1-06B4	01825	02S 04W 6	WSTC	21	1552	2251	6961
POTTER 1-02B5	01826	02S 05W 2	WSTC	30	416	1898	1785
OTE UNIT 1-12B3	01830	02S 03W 12	GR-WS	27	510	497	668
FELDSTED 1-29A4	01831	01S 04W 29	GRRV	21	325	196	7874
OTE UNIT 1-07B2	01835	02S 02W 7	WSTC	25	1518	2500	10222
HUNT 1-21B4	01840	02S 04W 21	WSTC	22	1903	16632	13815
BROTHERSON 1-28A4	01841	01S 04W 28	WSTC	31	747	1412	5031
LAWRENCE 1-30B4	01845	02S 04W 30	WSTC	31	1187	0	2910
SHELL OTE 1-08A1E	01846	01S 01E 8	WSTC	24	1086	298	502
FLY DIMND RPR 1-14B3	01850	02S 03W 14	WSTC	27	721	1149	2650
OTE TRBL 1-33Z2	01851	01N 02W 33	GRRV	31	2424	1312	7229
TOTAL					15851	36864	65683

OCT - 2 1984

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date

9-28-84

Authorized signature

Telephone

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

PRINT IN TRIPLICATE 010978
(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.
2. NAME OF OPERATOR ANR Limited Inc.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any requirements.* See also space 17 below.) At surface See attached list	8. FARM OR LEASE NAME <i>Crone</i>
	9. WELL NO. <i>1-6 B4</i>
	10. FIELD AND POOL, OR WILDCAT
	11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA <i>Sec. 6 25 4w</i>
14. PERMIT NO. <i>43-013-30213</i>	12. COUNTY OR PARISH 13. STATE <i>Utah</i>

RECEIVED
DEC 31 1986

DIVISION OF OIL GAS & MINING

18. 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) <input type="checkbox"/>	
(Other) - Change Operator <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.)*

ANR Limited has been elected successor Operator to Utex Oil Company on the oil wells described on the attached Exhibit "A".

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

SIGNED *Don K. Nelson* TITLE *Dist. Land Mgr.* DATE *12/24/86*

(This space for Federal or State office use)

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



ANR Production Company
a subsidiary of The Coastal Corporation

012712

RECEIVED
JAN 25 1988

DIVISION OF
OIL, GAS & MINING

January 19, 1988

Natural Resources
Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Ms. Lisha Romero

This letter includes the information you requested on January 12, 1988 concerning the recent merger of ANR Limited, Inc. into ANR Production Company. Effective December 31, 1987 (December, 1987 Production), ANR Limited, Inc. merged into ANR Production Company; and henceforth, will continue operations as ANR Production Company.

ANR Production Company will begin reporting and remitting the Utah Conservation and Occupation Taxes effective December, 1987 production for leases previously reported by ANR Limited, Inc. (Utah Account No. N-7245). ANR Production Company will use the new Utah Account No. N-0675, as assigned by the State of Utah.

Please contact me at (713) 877-6167 if I can answer any questions on this matter.

Very truly yours,

Roger W. Sparks
Roger W. Sparks
Manager, Crude Revenue Accounting

*The computer shows the ANR Limited wells listed under account no. N0235.
DTS
1-26-88*

CC: AWS

CTE:mmw

*Lisha,
I don't see any problem w/this.
I gave a copy to Arlene so she could check on the bond situation. She didn't think this would affect their bond as the bond is set up for Coastal and its subsidiaries (ANR, etc.)
No Entity Number changes are necessary. DTS 1-26-88*



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, UT
84180-1203 • (801-538-5340)

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• ANR LIMITED INC./COASTAL
P O BOX 749
DENVER CO 80201 0749
ATTN: RANDY WAHL

Utah Account No. N0235

Report Period (Month/Year) 11 / 87

Amended Report

Well Name	Producing Zone	Days Oper	Production Volume		
			Oil (BBL)	Gas (MSCF)	Water (BBL)
CR00K 1-06B4 4301330213 01825 02S 04W 6	WSTC				
POTTER 1-02B5 4301330293 01826 02S 05W 2	WSTC				
UTE UNIT 1-12B3 4301330205 01830 02S 03W 12	GR-WS				
FIELDSTED 1-29A4 4301330276 01831 01S 04W 29	GR-WS				
UTE UNIT 1-07B2 4301330206 01835 02S 02W 7	WSTC				
HUNT #2-21B4 4301331114 01839 02S 04W 21	WSTC				
HUNT 1-21B4 4301330214 01840 02S 04W 21	WSTC				
BROTHERSON 1-28A4 4301330292 01841 01S 04W 28	WSTC				
LAWRENCE 1-30B4 4301330220 01845 02S 04W 30	WSTC				
SHELL UTE 1-08A4E 4304730173 01846 01S 01E 8	WSTC				
FLYING DIAMOND ROPER 1-14B3 4301330217 01850 02S 03W 14	WSTC				
UTE TRBL 1-33Z2 4301330334 01851 01N 02W 33	WSTC				
BABCOCK 1-18B3 4301330219 01855 02S 03W 18	WSTC				
TOTAL					

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____
 Authorized signature _____ Telephone _____

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

SUNDRY NOTICES AND REPORTS

(Do not use this form for proposals to drill or to deepen a well. See Form OGC-1 for such proposals. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED
OCT 28 1988

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 ANR Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, Colorado 80201-0749		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 2485' FNL & 1203' FEL		8. FARM OR LEASE NAME Crook	
14. PERMIT NO. 43-013-30213		9. WELL NO. 1-6B4	
15. ELEVATIONS (Show whether SP, ST, OR, etc.) 6563' GR		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., S., E., N., OR BLE. AND SUBST. OR AREA Section 6, 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"/>	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 checked="" 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) <input type="checkbox"/>	

(NOTE: Report results of multiple completion or 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.)

Proposed Procedure:

1. ND wellhead. NU BOPE. TOH w/tbg & pkr.
2. TIH w/mill & csg scraper. Clean out wellbore to PBDT 13,950'. (Note liner top @ 11,651'.)
3. Run Schlumberger METT Log or equivalent from top of cmt to SFC.
4. TIH w/CIBP for 5", 18# csg. Set CIBP @ 13,306'. TIH w/cmt retainer @ 13,276'.
TIH w/tbg. Sting into cmt retainer. Cmt squeeze perfs 13,288-13,293' to 3000 psi. WOC.
5. DO retainer, cmt & CIBP.
6. TIH w/CIBP for 5", 18# csg. Set CIBP @ 12,180'. TIH w/2-7/8" tbg cmt retainer. Set cmt retainer @ 12,070'. Cmt squeeze perfs 12,123-12,166' to 3000 psi. WOC.
7. DO cmt to above CIBP. TIH w/RTTS pkr & set @ 12,070'. Test cmt squeeze to 1500 psi. Re-squeeze zone if necessary. TOOH w/RTTS pkr. TIH w/mill.
8. TIH w/CIBP for 5", 20# csg. Set CIBP @ 11,850'. TIH w/cmt retainer fro 7" csg. Set cmt retainer @ 11,580'. Cmt squeeze perfs 11,594-11,821' to 3000 psi. WOC.
9. DO cmt. to above CIBP. Note liner top @ 11,651'. TIH w/RTTS pkr. Set pkr @ 11,580. Test cmt squeeze to 1500 psi. Re-squeeze if necessary.
10. DO remaining cmt & CIBPs.
11. Perf Wasatch formation according to attached prognosis.
12. TIH w/retrievable pkr & RBP. Set BP @ 13,915'. Set pkr @ 13,350' Acidize Lower Wasatch w/7000 gals 15% HCL + add.

(OVER)

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

SIGNED Eileen Dammitt Dey TITLE Regulatory Analyst DATE October 25, 1988

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

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

DATE: 11-9-88

*See Instructions on Reverse Side

Crook #1-6B4
Infill Wasatch Perforations
 (Reference: OWP ACB-GRL dated 7-19-73)

11287	11652 *	12122 *
11295	11664	12139 *
11297	11667	12150
11312	11705	12159
11351	11738	12166 *
11369	11753	12195
11375	11766	12227
11389	11789	12230
11419	11816 *	12238
11442	11910	12308
11446	11917	12321
11504	12046	12426
11506	12074	12444
11540	12088	12547
11548	12104	12561
		12604

Proposed: 11,287' to 12,604' (~~46~~ zones, ~~46~~ feet)
41 *41*

* ELLIMINATED AS A RESULT OF JUN'86 PRODUCTION LOG PER DKB

RDL
 11/3/87

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

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different zone. Use "APPLICATION FOR PERMIT" for 661-1581-1988)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		2. NAME OF OPERATOR ANR Production Company		3. ADDRESS OF OPERATOR P.O. Box 749, Denver, Colorado 80201-0749		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2485' FNL & 1203' FEL		5. LEASE DESIGNATION AND SERIAL NO. Patented		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		7. UNIT AGREEMENT NAME		8. FARM OR LEASE NAME Crook		9. WELL NO. 1-6B4		10. FIELD AND POOL, OR WILDCAT Altamont		11. SEC., T., R., M., OR BLE. AND SUBST OR AREA Section 6, T2S-R4W		12. COUNTY OR PARISH Duchesne		13. STATE Utah	
14. PERMIT NO. 43-013-30213				15. ELEVATIONS (Show whether DF, ST, OR, etc.) 6563' GR																					

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 ACIDISE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>	SHOOTING OR ACIDISING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input checked="" type="checkbox"/>	(Other)			
(Other) Beam Pump Conversion				(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.)*

ANR Production Company proposes to convert the above-referenced well from gas lift to beam pump to reduce lifting costs and increase production.

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

SIGNED Eileen Dammi Dey

TITLE Regulatory Analyst

DATE October 25, 1988

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

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

DATE: 11-9-88

*See Instructions on Reverse Side

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

8

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 ANR Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, Colorado 80201-0749 13 1989		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 2485' FNL & 1203' FEL		8. FARM OR LEASE NAME Crook
16. PERMIT NO. 43-013-30213		9. WELL NO. 1-6B4
16. ELEVATIONS (Show whether of, to, or, etc.) 6563' GR		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLM. AND SUBST OR AREA Section 6, T2S-R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

18. 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 checked="" 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) <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.)

January 9 through February 27, 1989;

- MIRU. ND well head. NU BOPE.
- Release Baker LOK-Set pkr @ 11,222'. POOH w/tbg & gas lift eqpt. Clean out to 11,661'. Run caliper & csg inspection logs from 10,000' to surface.
- RIH w/5" CIBP & set @ 13,306'. RIH w/5" CICR & set @ 13,276'.
- Establish injection into perfs @ 13,288-293' @ 3 BPM @ 1800#. Cmt squeeze perfs 13,288-293' w/100 sxs cl "G" cmt + add to 2800#. DO CICR, cmt & CIBP.
- RIH & set CIBP @ 12,180'. RIH & set 5" CICR @ 12,070'. Est. inject. rate into perfs @ 12,123-166' @ 3 BPM @ 2200#. Cmt sqz perfs 12,123-166' w/100 sxs cl "G" cmt + add. to 3500#. DO cmt to above CIBP.
- Est. inj. rate into perfs 11,296-624' @ 4-1/2 BPM @ 500#. Spot 250 sxs cl "G" cmt. Bradenhead sqz cmt perfs @ 11,296-624' to 2000#. DO cmt to 11,651' (liner top). DO cmt from 11,651-11,850'. Test sqz perfs 11,296-818' to 2000#. OK. DO cmt from 11,850-12,070'. Mill up CICR. Mill out cmt from 12,070-180'. Test sqz perfs @ 11,296-12,166' to 2000#. OK. Mill out CIBP @ 12,180'.
- CO 7" csg from 11,591-11,651'. CO 5" liner to 12,042'. DO cmt from 12,042-13,952'.
- Perf Wasatch formation w/3-1/8" gun, 0° phase, 3/SPF as follows:

13,922-418'	21 feet	63 holes	0 psi
13,266-12,444'	21 feet	63 holes	0 psi
12,426-11,664'	20 feet	60 holes	0 psi
11,548-11,287'	15 feet	45 holes	0 psi

(4" csg gun, 3 SPF)

18. I hereby certify that the foregoing is true and correct
SIGNED Eileen Danni Dey TITLE Regulatory Analyst DATE March 9, 1989

(This space for Federal or State office use)

(OVER)

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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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 TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

Patented

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

1. Type of Well: OIL GAS OTHER:

8. Well Name and Number:

Crook #1-6B4

2. Name of Operator:

ANR Production Company

9. API Well Number:

43-013-30213

3. Address and Telephone Number:

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

10. Field and Pool, or Wildcat:

Altamont

4. Location of Well

Footages: 2485' FNL & 1203' FEL

County: Duchesne

QQ, Sec., T., R., M.: SE/NE Section 6, T2S-R4W

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start 4/19/93

SUBSEQUENT REPORT

(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other _____
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion _____

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.

12. 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.)

Please see the attached procedure to cleanout and acidize the above referenced well.

Approved
BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 4-5-93

BY: Matthews

RECEIVED

APR 2 1993

DIVISION OF
OIL, GAS & MINING

13.

Name & Signature: Eileen Danni Dey

Title: Regulatory Analyst

Date: 3/25/93

(This space for State use only)

WORKOVER PROCEDURE

Crook #1-6B4
 Section 6, T2S, R4W
 Altamont Field
 Duchesne County, Utah

WELL DATA

Location: 2485' FNL & 1203' FEL
 Elevation: 6563' GR; 6592' KB
 Total Depth: 14,095' PBD: 13,942'
 Casing: 13-3/8" 64# K-55 ST&C @ 357' cmt'd w/440 sxs
 9-5/8" 40# K-55 ST&C @ 7126' cmt'd w/396 sxs
 7" 26# S-95 LT&C @ 11,849' cmt'd w/600 cu ft (~ 460 sxs)
 5" 18# S00-95 & N-80 from 11,651' to 14,094' cmt'd w/300 sxs

TUBULAR DATA

<u>Description</u>	<u>ID</u>	<u>Drift</u>	<u>Capacity</u> (B/F)	<u>Burst</u> (PSI)	<u>Collapse</u> (PSI)
7" 26# S-95	6.276	6.151	.03750	8600	7800
5" 18# S00-95	4.276	4.151	.01776	12040	11880
5" 18# N-80	4.276	4.151	.01776	10140	10490
2-7/8" 6.5# N-80	2.441	2.347	.0058	10570	11160

WELL HISTORY

July 1973: Initial Completion. Perf 1 SPF from 11,757' to 13,902', 100 total holes. Acidize w/32,500 gals 15% HCl. Flwd 928 BOPD, 12 BWP, 926 MCFPD on a 12/64" choke with a FTP of 3200 psi.

May 1975: Install Beam Pump.
 Prior Prod: 33 BOPD, 47 BWP, 98 MCFPD w/FTP of 100 PSIG
 Post Prod: 337 BOPD, 449 BWP, 356 MCFPD

January 1977: Acetic acid soak, 2394 gals.

March 1978: Perforate, 3 SPF, 417 total holes from 11,805' to 14,036'. Acidize perfs 11,757' to 14,036' (429 new, 100 old) w/50,000 gals 7½% HCl. Install gas lift.
 Prior Prod: 125 BOPD, 355 BWP and 185 MCFPD
 Post Prod: 1094 BOPD, 215 BWP and 1203 MCFPD

May 1980: Acidize all perfs w/5000 gals 15% HCl.
 Prior Prod: 29 BOPD, 617 BWP, 573 MCFPD
 Post Prod: No change

September 1981: Acidize perfs from 11,757' to 14,036' w/41,300 gals 15% HCl w/MSR-100.
 Prior Prod: 53 BOPD, 372 BWP, 130 MCFPD
 Post Prod: 58 BOPD, 373 BWP, 706 MCFPD

WELL HISTORY (Cont.)

- May 1983: Set CIBP @ 11,720'. Perf from 11,296' to 11,677', 75 total holes, 3 SPF. Acidize perms from 11,296' to 11,677' w/15,000 gals 7½% HCl.
Prior Prod: 34 BOPD, 240 BWPD, 169 MCFPD on gas lift
Post Prod: 504 BOPD, 71 BWPD, 843 MCFPD on gas lift
- January 1984: DO CIBP @ 11,720'.
- February 1989: Squeeze perms 13,288' to 13,293' w/100 sxs.
Squeeze perms 12,123' to 12,166' w/100 sxs.
Squeeze perms 11,296' to 11,624' w/250 sxs.
Add 231 perforations from 11,287' to 13,922', 3 SPF.
Acidize perms from 13,350' to 13,810' w/7000 gals 15% HCl.
Acidize perms from 12,180' to 13,275' w/10,000 gals 15% HCl.
Prior Prod: 19 BOPD, 139 BWPD, 33 MCFPD
Post Prod: 62 BOPD, 248 BWPD, 34 MCFPD
- March 1989: Install Beam Pump
Prior Prod: 62 BOPD, 248 BWPD, 34 MCFPD
Post Prod: 122 BOPD, 344 BWPD, 159 MCFPD

PRESENT STATUS: SI uneconomical to produce. Last production 2/17/93 - 3 BOPD, 50 BWPD, 39 MCFPD.

PROCEDURE

- 1) MIRU. POOH and stand back rods and pump. NU BOPE. Release TAC, POOH and stand back tubing.
- 2) PU and RIH w/mill and CO tools for 5" 18# liner. CO 5" liner to ± 13,925'.
- 3) RU wireline service company. PU & RIH w/5" 18# CIBP and set @ ± 13,915'.
- 4) PU and RIH with 2 jts of 2-7/8" 6.5# N-80 8rd tbg, Mountain States 5" 10K Model H/D treating pkr, ± 870 2-7/8" 6.5# N-80 8rd tbg, ± 11,610' 3-1/2" 9.3# N-80 8rd tbg. Set packer @ ± 12,480'.
- 5) Acidize perforations from 12,505' to 13,872', 561 total holes, with 16,830 gals 15% HCl, specified additives, and 800 1.1 BS's. Attempt to fill backside. Max treating pressure will be determined pending the results of the fluid level which can be maintained on the backside. Maximum differential across packer should be 10,000 psi. NOTE: The acid job should be designed to include:

Workover Procedure
Crook #1-6B4
Page Three

- A) All fluids to be heated to 150°F.
 - B) Precede acid w/150 bbls KCl wtr with 10 gals per 1000 gals scale inhibitor and 140 1.1 BS's evenly spaced.
 - C) Acidize in 3 stages of 5610 gals each w/220 1.1 BS's evenly spaced in each stage and 2 diverter stages of 1500 gals gelled saltwater with 1/2 ppg each Benzoic acid flakes and rock salt.
- 6) Flow/swab back acid load.
- 7) Release pkr and POOH. PU & RIH w/production equipment and return online.

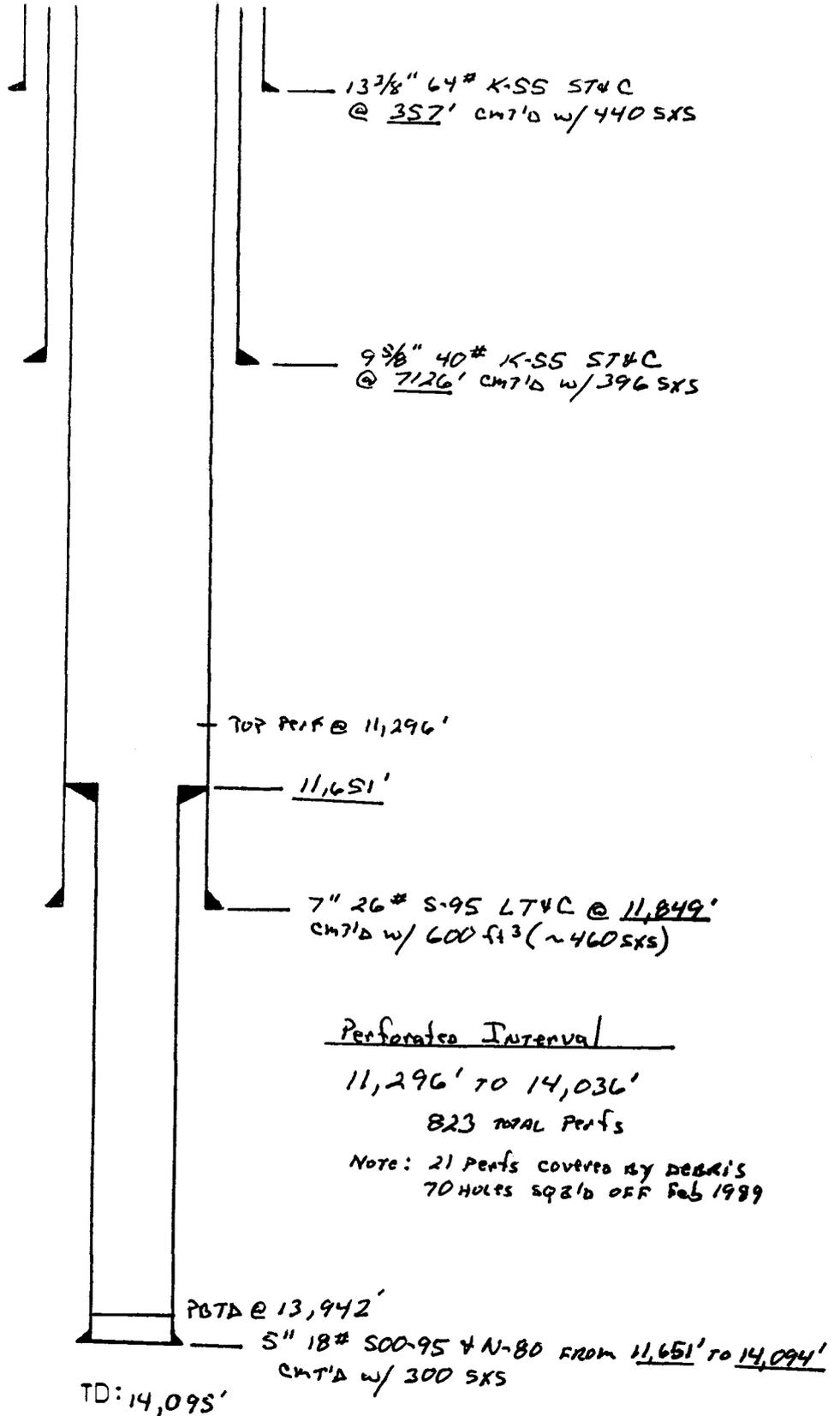
SCP:cam

PRESENT WELLBORE SCHEMATIC

S.C. Prutch

1/18/93

CROOK #1-G34
SECTION 6, T2S, R4W



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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 TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:	5. Lease Designation and Serial Number: Patented
2. Name of Operator: ANR Production Company	6. If Indian, Allottee or Tribe Name: N/A
3. Address and Telephone Number: P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476	7. Unit Agreement Name: N/A
4. Location of Well Footages: 2485' FNL & 1203' FEL QQ, Sec., T., R., M.: SE/NE Section 6, T2S-R4W	8. Well Name and Number: Crook #1-6B4 9. API Well Number: 43-013-30213 10. Field and Pool, or Wildcat: Altamont County: Duchesne State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ Approximate date work will start _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____ Date of work completion <u>5/30/93</u> <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>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input checked="" type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off

12. 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.)

Please see the attached chronological history for the cleanout and acid stimulation performed on the above referenced well.

RECEIVED

JUN 21 1993

DIVISION OF
OIL, GAS & MINING

13. Name & Signature: Eileen Danni Dey Title: Regulatory Analyst Date: 6/21/93

(This space for State use only)

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

CROOK #1-6B4 (CLEANOUT & ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UTAH
WI: 46.14569% ANR AFE: 64591
TD: 14,095' PBD: 13,942'
5" LINER @ 11,651'-14,094'
PERFS: 11,296'-14,036' (WASATCH)
CWC(M\$): 101.3

PAGE 1

- 5/18/93 POOH w/rods. MIRU rig. Unseat pump, LD 1 - 1" rod.
DC: \$1,857 TC: \$1,857
- 5/19/93 POOH w/tbg & BHA. POOH w/rods & pump. ND WH, NU BOP. RIs'd TAC.
POOH w/152 stds 2-7/8" tbg.
DC: \$3,029 TC: \$4,886
- 5/20/93 POOH w/tbg. POOH w/19 stds 2-7/8" tbg and BHA. PU and RIH w/Graco
4-1/8" mill, CO tool & 82 jts 2-3/8" tbg. RIH w/161 stds 2-7/8" tbg.
PU and RIH w/30 jts 2-7/8" tbg to PBD @ 13,942'. POOH. LD 30 jts
2-7/8" tbg. POOH w/25 stds 2-7/8" tbg.
DC: \$5,043 TC: \$9,929
- 5/21/93 Tally, PU & RIH w/3-1/2" tbg. POOH w/136 stds 2-7/8" tbg. Changed
equip over to 2-3/8". POOH. LD 82 jts 2-3/8" tbg, CO tool & mill.
RU Cutters. RIH w/5" CIBP & set @ 13,915'. POOH w/setting tool. RD
Cutters. RIH w/2 jts 2-7/8" tbg, 5" HD pkr, SN & 29 jts 2-7/8" tbg.
Changed equip over to 3-1/2". RIH w/5-3/4" No-Go & 124 jts 3-1/2"
tbg.
DC: \$6,677 TC: \$16,606
- 5/24/93 RU Dowell. Tally, PU & RIH w/262 jts 3-1/2" tbg, set pkr @ 12,488'.
Moved dog house & trailer house so Dowell can move equip on location.
DC: \$2,896 TC: \$19,502
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Wasatch perfs 12,505'-13,872' w/16,830 gal 15% HCl w/additives, 800 -
1.1 BS's, rock salt & BAF. Max press 8650 psi, avg press 8400 psi.
Max rate 28.4 BPM, avg rate 25 BPM. ISIP 0 psi. Diversion fair.
Total load 779 bbls. (Pmpd total of 667 BW down csg to keep 1000
psi.) RD Dowell. RU swab equip. Made 5 runs & rec 2.5 BW, pH 4.0,
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DC: \$39,100 TC: \$58,602
- 5/26/93 RIH w/2-7/8" tbg. Bled 100 psi off well. POOH. LD 314 jts 3-1/2"
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tbg, SN, pkr & 2 jts 2-7/8" tbg. RIH w/prod BHA & 85 jts 2-7/8" tbg.
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- 5/27/93 RIH w/rods. Bled 100 psi off well. RIH w/tbg, set TAC @ 10,520'.
ND BOP. Landed tbg on hanger w/20,000# tension. NU WH. RD tbg
equip. RU rod equip. RU hot oiler & flush tbg w/50 bbls 250° wtr.
RIH w/new pump, 28 - 1", 137 - 3/4", 126 - 7/8" rods & polished rod.
DC: \$2,345 TC: \$64,393
- 5/28/93 POOH w/tbg. Space out & seat pump. PT to 1000 psi, did not hold.
Unseat pump. POOH w/rods & pump. Pmpd 30 BW down tbg & press up.
Pmpd another 43 BW w/press up to 2000 psi, acted like PBGA was
plugged. RIH w/standing valve & seat in SN @ 10,413'. PT tbg to
2000 psi, bled to 0 in 2 min. Fish standing valve. ND WH, NU BOP.
RIs'd TAC.
DC: \$3,447 TC: \$67,840

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

CROOK #1-6B4 (CLEANOUT & ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UTAH
WI: 46.14569% ANR AFE: 64591

PAGE 2

5/29/93 RU to run rods. POOH w/tbg & BHA, last 49 stds were wet (6' sub, PBGA & jt below were all plugged w/fill). CO PBGA. RIH w/BHA. RU Four Star hydrotest. Hydrotested all tbg to 7500 psi. (Found leak in 51st jt above SN.) Set TAC @ 10,519'. Landed tbg on hanger w/20,000# tension.
DC: \$4,448 TC: \$72,288

5/30/93 Well on prod. RIH w/new pump & rods. Space out & seat pump. PT to 600 psi, held. Good pump action. Move out.
DC: \$13,294 TC: \$85,582

5/30/93 Pmpd 53 BO, 138 BW, 80 MCF, 10 SPM, 10 hr.

5/31/93 Pmpd 29 BO, 24 BW, 127 MCF, 10 SPM.

6/1/93 Pmpd 14 BO, 193 BW, 137 MCF, 10 SPM.

6/2/93 Pmpd 25 BO, 359 BW, 124 MCF, 10 SPM.

6/3/93 Pmpd 18 BO, 367 BW, 148 MCF, 10 SPM.

6/4/93 Pmpd 23 BO, 378 BW, 168 MCF, 10 SPM.

6/5/93 Pmpd 27 BO, 356 BW, 175 MCF, 10 SPM.

6/6/93 Pmpd 24 BO, 345 BW, 166 MCF, 10 SPM. Will run dyno to check FL & loading.

6/7/93 Pmpd 42 BO, 337 BW, 153 MCF, 10 SPM.

Prior prod: 0 BO, 0 BW, 0 MCF. Final report.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:

Patented

SUNDRY NOTICES AND REPORTS ON WELLS

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6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

1. Type of Well: OIL GAS OTHER:

8. Well Name and Number:

Crook #1-6B4

2. Name of Operator:

ANR Production Company

9. API Well Number:

43-013-30213

3. Address and Telephone Number:

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

10. Field and Pool, or Wildcat:

Altamont

4. Location of Well

Footages: 2485' FNL & 1203' FEL

County: Duchesne

QQ, Sec., T., R., M.: SE/NE Section 6, T2S-R4W

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other _____
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- Pull or Alter Casing
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- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

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Date of work completion 5/30/93

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RECEIVED

OCT 12 1993

DIVISION OF
OIL, GAS & MINING

13.

Name & Signature:

Eileen Danni Dev
Eileen Danni Dev

Title: Regulatory Analyst

Date: 6/21/93

(This space for State use only)

Tax Credit
10/29/93

THE COASTAL CORPORATION
PRODUCTION REPORT

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Unseat pump. POOH w/rods & pump. Pmpd 30 BW down tbg & press up.
Pmpd another 43 BW w/press up to 2000 psi, acted like PBGA was
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STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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1. Type of Well: OIL GAS OTHER:

2. Name of Operator:
ANR Production Company

3. Address and Telephone Number:
P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476

4. Location of Well
Footages: 2485' FNL & 1203' FEL
CQ, Sec., T., R., M.: SE/NE Section 6-T2S-R4W

5. Lease Designation and Serial Number:
Patented

6. If Indian, Allottee or Tribe Name:
N/A

7. Unit Agreement Name:
N/A

8. Well Name and Number:
Crook #1-6B4

9. API Well Number:
43-013-30213

10. Field and Pool, or Wildcat:
Altamont

APR 1 1994
DIV. OF OIL, GAS & MINING

County: Duchesne
State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other Plug off Wasatch, CO, Perf
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start 3/30/94

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other _____
- New Construction
- Pull or Alter Casing
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- Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

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12. 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.)

Please see the attached workover procedure to plug off the Wasatch Frm., CO, perf the Lower Green River, and acidize perms.

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

DATE: 4-5-94
BY: JAM/attchus

13.

Name & Signature:

Joe Adamski/sab

Title:

Joe Adamski
Environmental Coord.

Date:

3/30/94

(This space for State use only)

WORKOVER PROCEDURE

CROOK #1-6B4

Section 6-T2S-R4W

Altamont Field

Duchesne County, Utah

WELL DATA

LOCATION: 2485' FNL and 1203' FEL
ELEVATION: 6563' GL; 6592' KB
TOTAL DEPTH: 14,095' PBD: 13,942'
CASING: 13³/₈" , 64#, K-55 set @ 357'
9⁵/₈" , 40#, K-55 set @ 7126'
7" , 26#, S-95 set @ 11,849'
5" , 18#, N-80 & S00-95 set @ 11,651' - 14,904'
TUBING: 2⁷/₈" , 6.5#, N-80 set @ 10,519' w/B-2 Anchor Catcher

TUBULAR DATA

Description	ID	Drift	Capacity B/F	Burst Psi	Collapse Psi
7" 26# S-95	6.276"	6.151"	.0382	8600	7800
5" 18# N-80	4.276"	4.151"	.0177	10140	10500
5" 18# S00-95	4.276"	4.151"	.0177	12040	13020
2 ⁷ / ₈ " 6.5# N-80	2.441"	2.347"	.00579	10570	11160

PRESENT STATUS

Well presently SI. Last production: Jan. 5, 1994 3 BOPD, 94 BWPD & 100 MCFPD on rod pump from Wasatch perfs 11,296 - 14,036.

PROCEDURE

- 1) MIRU service rig. Kill well. POOH w/rods and pump. ND wellhead and NU 5K BOP. POOH w/tbg.
- 2) PU 6¹/₈" mill w/7" csg scraper and 2⁷/₈" tbg and CO 7" csg to 11,350'. POOH w/tbg and mill. Wireline set CIBP @ 11,291'. Pressure test csg to 2000 psi.
- 3) Perforate Lower Green River 10,205' - 11,284' w/3 SPF and 120° phasing using 4" csg gun as per attached perforating shedule.
- 4) PU 7" X 3¹/₂" pkr on 3¹/₂" tbg and TIH. Set pkr @ ±10,100'. Pressure annulus to 1500 psi.
- 5) Acidize Lower Green River perfs 10,205' - 11,284' w/12,000 gals 15% HCl w/additives and 300 1.1 ball sealers.
 - A. Precede acid w/250 bbls wtr w/10 gals /1000 scale inhibitor.
 - B. All water to contain 3% KCl.
 - C. Acidize in 3 stages fo 4000 gals each w/diverter stages of 2000 gals YF-340LPH fluid w/saturated saltwater and w/1/2#/gal each of Benzoic acid flakes and rock salt.
 - D. Acid to be pumped at maximum rate possible @ 8500 psig maximum pressure.
 - E. All fluids to heated to ±150°F.
Note: Please contact Dave Ponto for specifics on YF-340 fluids.
- 6) Flow back acid load. Unseat pkr and POOH. LD pkr.
- 7) Rerun production equipment and return well to production.

GREATER ALTAMONT FIELD

ANR - CROOK #1-6B4

NE/4 Sec. 6-T2S-R4W

Duchesne County, Utah

PERFORATION SCHEDULE

Depth Reference: Schlumberger BHC Sonic Run #1 (5/9/73)

11284	11052	10783	10467
11275	11016	10757	10457
11259	11009	10736	10446
11251	10989	10731	10427
11240	10983	10719	10414
11224	10975	10675	10408
11204	10965	10665	10387
11198	10955	10646	10366
11182	10887	10620	10353
11169	10886	10608	10340
11161	10871	10602	10331
11110	10866	10584	10296
11097	10849	10563	10270
11083	10843	10496	10240
11071	10826	10486	10205
11062	10804	10478	

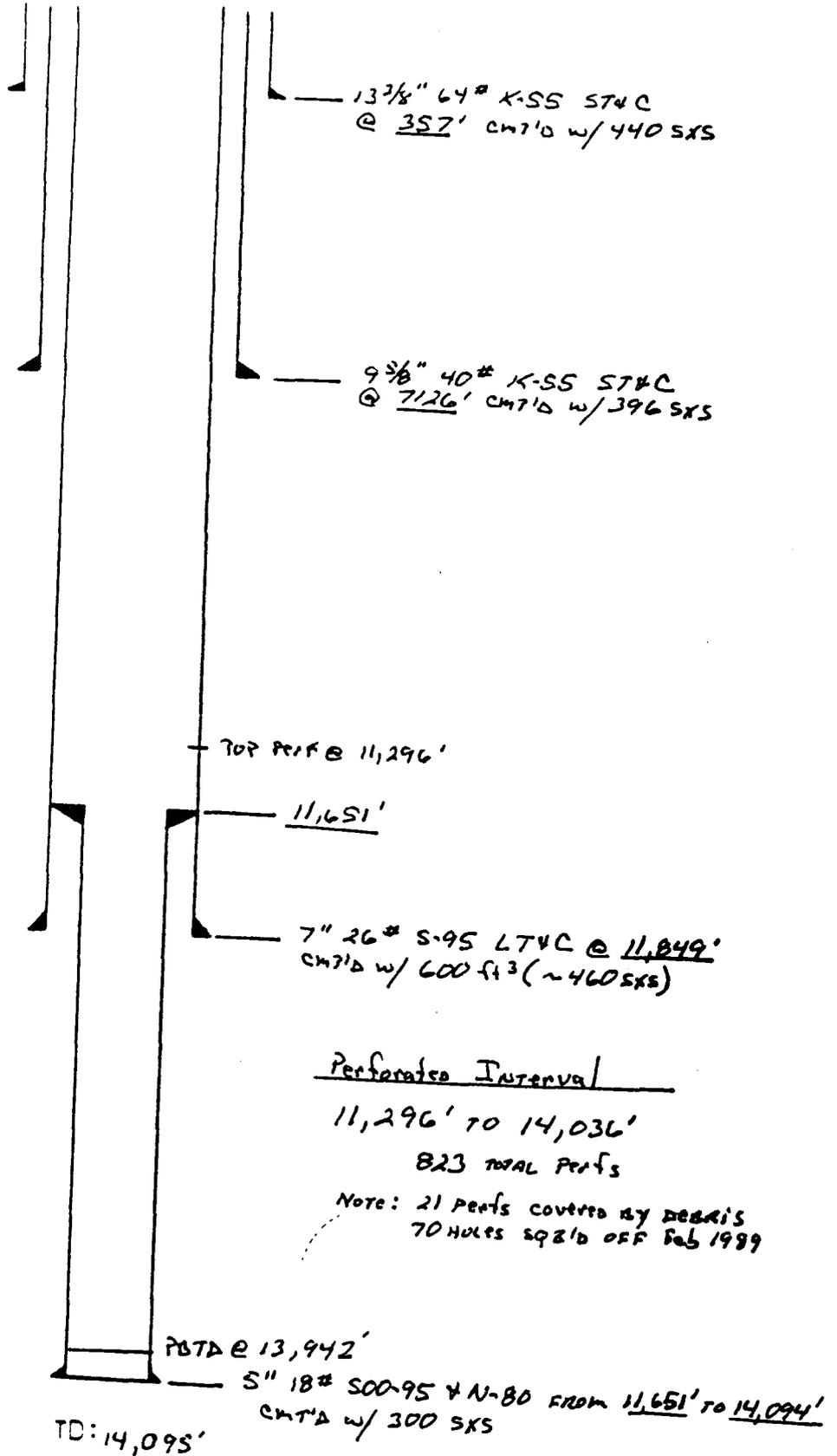
Gross Lower Green River Interval : 10,205' - 11,284', 63 feet, 46 zones

RJL:rrd
January 10, 1994

PRESENT WELLBORE SCHEMATIC

CROK #1-634
Section 6, T2S, R4W

S.C. Frutch
1/18/93



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
WORKOVER AND COMPLETION FORM

COMPANY: ANR PRODUCTION CO, INC COMPANY REP: JIM FOREMAN

WELL NAME: CROOK #1-6B4 API NO: 43-013-30213

SECTION: 6 TWP: O2S RANGE: O4W

CONTRACTOR: GENERAL WELL SERVICE RIG NUMBER: _____

INSPECTOR: DENNIS INGRAM TIME: 1:00 PM AM/PM DATE: 4/19/94

OPERATIONS AT THE TIME OF INSPECTION: POOH W/TUBING.

=====

WELL SIGN: Y TYPE OF WELL: OIL STATUS PRIOR TO WORKOVER: POW

H2S: NO ENVIRONMENTAL: OK PIT: N BOPE: Y

DISPOSITION OF FLUIDS USED: FLAT, FRACK, AND TRUCK

PERFORATED: Y STIMULATED: Y SAND CONTROL: _____

WATER SHUT OFF: _____ WELLBORE CLEANOUT: _____ WELL DEEPENED: _____

CASING OR LINER REPAIR: _____ ENHANCED RECOVERY: _____ THIEF ZONE: _____

CHANGE OF LIFT SYSTEM: _____ TUBING CHANGE: _____ OTHER CEMENT SQUEEZE: _____

=====

REMARKS:

GOING TO PERF THE GREEN RIVER FROM 10,205 TO 11,284. OPERATOR WILL
SET CIBP AT 11,291 TO ISOLATE THE WASATCH FORMATION.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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 TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:
Patented

6. If Indian, Aliottee or Tribe Name:
N/A

7. Unit Agreement Name:
N/A

8. Well Name and Number:
Crook #1-6B4

9. API Well Number:
43-013-30213

10. Field and Pool, or Wildcat:
Altamont

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:
ANR Production Company

3. Address and Telephone Number:
P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476

4. Location of Well
Footages: 2485' FNL & 1203' FEL
QQ, Sec., T., R., M.: SE/NE Section 6-T2S-R4W

County: Duchesne
State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other CO, Perf
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

Date of work completion 5/5/94 ✓

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.

12. 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.)

Please see the attached chronological history for work performed in the subject well.

13. Name & Signature: N.O. Shiflett Title: N.O. Shiflett Dist. Drlg. Manager Date: 6/29/94

(This space for State use only)

tax credit
1/25/95 ✓

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

CROOK #1-6B4 (CLEANOUT, PERF LOWER GREEN RIVER & ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UTAH
WI: 46.14569% ANR AFE: 00138

PAGE 4

4/26/94 Flow testing well.
Swab down, flow well to frac tank. Shut well in for hookup FL. Flwd
278 BO, 8 BW, 24 MCF, FTP 100#, ¾" chk, 21½ hrs. CC: \$47,216

4/27/94 Flwd & swabbed 154 BO, 0 BW, 0 MCF.
Will isolate thief zone & place well on pump. CC: \$50,136

4/28/94 POOH w/2⅞" & seal assembly.
ND WH, NU BOP. LD 171 jts of 2-1/16" FS-150 tbg. Tried to rls out
of pkr - could not get torque to seal assembly. RU swivel to work
tbg. Got seal assembly to rls. LD 4' tbg subs & 1-jt of 2⅞". CC:
\$52,950

4/29/94 POOH w/2⅞".
POOH w/333 jts of 2⅞" 8rd & MSOT seal assembly. PU retrieving tool
& RIH w/333 jts of 2⅞" 8rd. Sting into ArrowPak pkr. Rls ArrowPak
pkr. Pump scale inhibitor chemicals w/20 BW. Displace w/92 BW to
get to btm perf. POOH w/140 jts of 2⅞" N-80. CC: \$59,702

4/30/94 Well on production.
POOH w/192 jts of N-80 8rd tbg & MSOT 7" ArrowPak pkr. LD pkr. ND
BOP & dual string tbg head. NU single string tbg head. PU BHA, MSOT
7" TAC, 4' N-80 tbg sub, 1-perf jt, solid plug, 1-jt, 4½" PBGA, +45
SN. RIH w/329 jts of N-80 8rd tbg. ND BOP. Set 7" TAC @
10,121.44'. Landed 2⅞" w/16,000# tension. RIH w/2½" x 1½" x 26'
pump, 12 - 1", 137 - ¾", 126 - ⅞", 122 - 1" EL rods. Seated pump.
Tested tbg to 500 psi. Put well on production. CC: \$65,167

4/30/94 Pmpd 64 BO, 128 BW, 53 MCF, 12 hrs.

5/1/94 Pmpd 160 BO, 187 BW, 94 MCF, 8.7 SPM.

5/2/94 Pmpd 266 BO, 162 BW, 121 MCF, 8.7 SPM.
RD unit. CC: \$71,142

5/3/94 Pmpd 285 BO, 65 BW, 136 MCF, 8.7 SPM.

5/4/94 Pmpd 321 BO, 0 BW, 124 MCF, 8.7 SPM.

5/5/94 Pmpd 316 BO, 0 BW, 134 MCF, 8.7 SPM.

Prior prod: 0 BO, 0 BW, 0 MCF. Final report.

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

CROOK #1-6B4 (CLEANOUT, PERF LOWER GREEN RIVER & ACIDIZE)

PAGE 3

ALTAMONT FIELD

DUCHESNE COUNTY, UTAH

WI: 46.14569% ANR AFE: 00138

TD: 14,095' PBD: 11,291' (CIBP)

5" LINER @ 11,651'-14,094'

PERFS: 10,205'-11,284' (LGR)

CWC(M\$): 104.5

- 4/18/94 POH w/2 $\frac{7}{8}$ " tbg.
RU General Well #102. Unseated pump. Flush 2 $\frac{7}{8}$ " tbg, seat pump. PT tbg to 800 psi. POOH w/122 - 1", 126 - $\frac{7}{8}$ ", 137 - $\frac{3}{4}$ ", 12 - 1" rods. CC: \$3,270
- 4/19/94 Finish running 6 $\frac{1}{8}$ " mill & 7" csg scraper.
Release 7" TAC. POOH w/348 jts of 2 $\frac{7}{8}$ " 6.5# N-80 8rd tbg. Found 4 $\frac{1}{2}$ " PBGA was plugged w/paraffin. Hot oil & pump plug out. LD 4 $\frac{1}{2}$ " PBGA, perf jt & 7" TAC. RIH w/6 $\frac{1}{8}$ " mill, 7" csg scraper & 141 stds of 2 $\frac{7}{8}$ " to 9650'. CC: \$6,414
- 4/20/94 Prep to perf Lower Green River.
RIH w/2 $\frac{7}{8}$ " tbg & csg scraper to 11,376'. POOH w/6 $\frac{1}{8}$ " mill, 7" csg scraper. RU OWP & set 7" CIBP @ 11,291'. RD OWP. Pump 370 BW to fill csg. PT csg to 2000 psi, good test. CC: \$12,607
- 4/21/94 Hydrotesting 2 $\frac{7}{8}$ " tbg.
RU OWP. Ran Gamma Ray Log to correlate w/Schlumberger BHC Sonic Log. Logged from 11,287' to 10,000'. Perf Lower Green River @ 10,205'-11,284' (189 holes) as follows:
- | Run # | Interval | Feet | Holes | PSI | FL |
|--------|-----------------|------|-------|-----|---------|
| 1 | 11,284'-10,983' | 21 | 63 | 0 | 350' |
| 2 | 10,975'-10,608' | 21 | 63 | 200 | 100' |
| 3 | 10,602'-10,205' | 21 | 63 | 500 | Surface |
| Totals | | 63 | 189 | | |
- RIH w/ArrowPak 7" pkr, 6' 2 $\frac{7}{8}$ " tbg sub, 2.250 "F" nipple, 4' 2 $\frac{7}{8}$ " tbg sub, 3 $\frac{1}{2}$ " pump-out plug. Had a hard time getting down (asphalt). Set MSOT 7" ArrowPak pkr @ 10,146'. RD OWP. Well had 600 psi when OWP set pkr. CC: \$32,220
- 4/22/94 Change csg head.
Hydrotested & RIH w/342 jts of 2 $\frac{7}{8}$ " N-80 8rd tbg to 8500 psi. LD 9 jts. CO 180 reg collars to taper collars. Tagged MSOT 7" ArrowPak pkr @ 10,146'. Circ down csg up tbg w/275 BW to cleanup well. CC: \$36,303
- 4/23/94 Flow testing.
ND BOP & single string csg head. Strip on dual string csg head & BOP. Landed 2 $\frac{7}{8}$ " w/12,000# tension. PU 171 jts (5389.10'). Landed 2-1/16" FS-150 tbg (heat string). ND BOP, NU dual string WH. Pump out plug w/1700 psi. PT down to 500 psi. Flow well to frac tank on 32/64" chk. CC: \$39,823
- 4/23/94 Flwd 683 BO, 11 BW, 221 MCF/12 hrs, FTP 280# on 32/64" chk.
- 4/24/94 Flwd 722 BO, 30 BW, 238 MCF, FTP 175# on 32/64" chk.
- 4/25/94 Flow testing well - flwd & swabbed 137 BO, 7 BW, 77 MCF/16 hrs, FTP 125# on 36/48" chk.
RU PLS to log Lower Green River perfs @ 11,284'-10,205'. Ran Production Log, found oil entry from perfs @ 10,460-10,488', found thief @ 10,858-10,880'. Had to reduce choke to run logging tools, well died. RD PLS, RU swab. Made 4 swab runs to 5500', swabbed 53 BO/3 hrs to get well to flow again @ 180 psi. CC: \$44,995

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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 TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

Patented

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Crook #1-6B4

9. API Well Number:

43-013-30213

10. Field and Pool, or Wildcat:

Altamont

1. Type of Well:

OIL GAS OTHER:

2. Name of Operator:

ANR Production Company

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476

4. Location of Well

Footages: 2485' FNL & 1203' FEL
QQ, Sec., T., R., M.: SE/NE Section 6-T2S-R4W

County: Duchesne

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit In Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input checked="" type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other CO | |

Approximate date work will start Upon Approval

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. 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.)

Please see the attached workover procedure to CO and acid stimulate the Green River in the subject well.

12/21/94
Tom Matthews

13.

Name & Signature:

N.O. Shiflett

Title:

N.O. Shiflett
District Drilling Manager

Date:

12/15/94

(This space for State use only)

WORKOVER PROCEDURE

CROOK #1-6B4 SECTION 6 - T2S - R4W ALTAMONT FIELD DUCHESNE COUNTY, UTAH

WELL DATA

LOCATION: 2485' FNL & 1203' FEL
ELEVATION: 6563' GL; 6592' KB
TOTAL DEPTH: 14,095'
PBTD: 13,942'
CASING: 13 3/8", 64#, K55, set @ 357'
9 5/8", 40#, K-55 set @ 7126'
7", 26#, S-95 set @ 11,849'
5", 18#, N-80 & SOO-95 set @ 11,651' - 14,904'
TUBING: 2 7/8" 6.5# N-80 @ 10,121'

TUBULAR DATA

Description	ID	Drift	Capacity BBL/FT	Burst Psi	Collapse Psi
7", 26#, S-95	6.276"	6.151"	0.0382	8600	7800
5", 18#, N-80	4.276"	4.151"	0.0177	10,140	10,500
5", 18#, SOO-95	4.276"	4.151"	0.0177	12,040	13,020
2 7/8", 6.5#, N-80	2.441"	2.347"	0.00579	10,570	11,160

CURRENT PRODUCTION

19 BOPD, 74 MCFPD, 32 BWPD

PROCEDURE

- 1) MIRU service rig. NDWH & NU BOPE. POOH w/production equipment.
- 2) PU & RIH w/6 1/8" mill and CO tools. CO 7" csg to 11,291'. POOH
- 3) TIH w/ production tubing & 7" pkr w/2 stands of tubing below pkr pressure testing tubing to 8000 psi. Set pkr at +/- 10,200'. Pressure annulus to 1500 psi.
- 4) Acidize perms, 10,205' - 11,284' w/ 12,000 gals 7 1/2% HCl per attached schedule.
Note: MTP = 4500 psi. MTR = 5 BPM. Rate is the initial limiting factor followed by pressure.
- 5) Flow/swab back acid load. Unseat pkr and POOH. LD pkr.
- 6) PU & RIH w/artificial lift equipment. Set bottom PBGA @ +/- 10,200', SN @ +/- 10,167', & TAC @ +/- 9,955'. Return on line.

NOTE: If it is necessary to kill well, do so with filtered 3% KCl water.

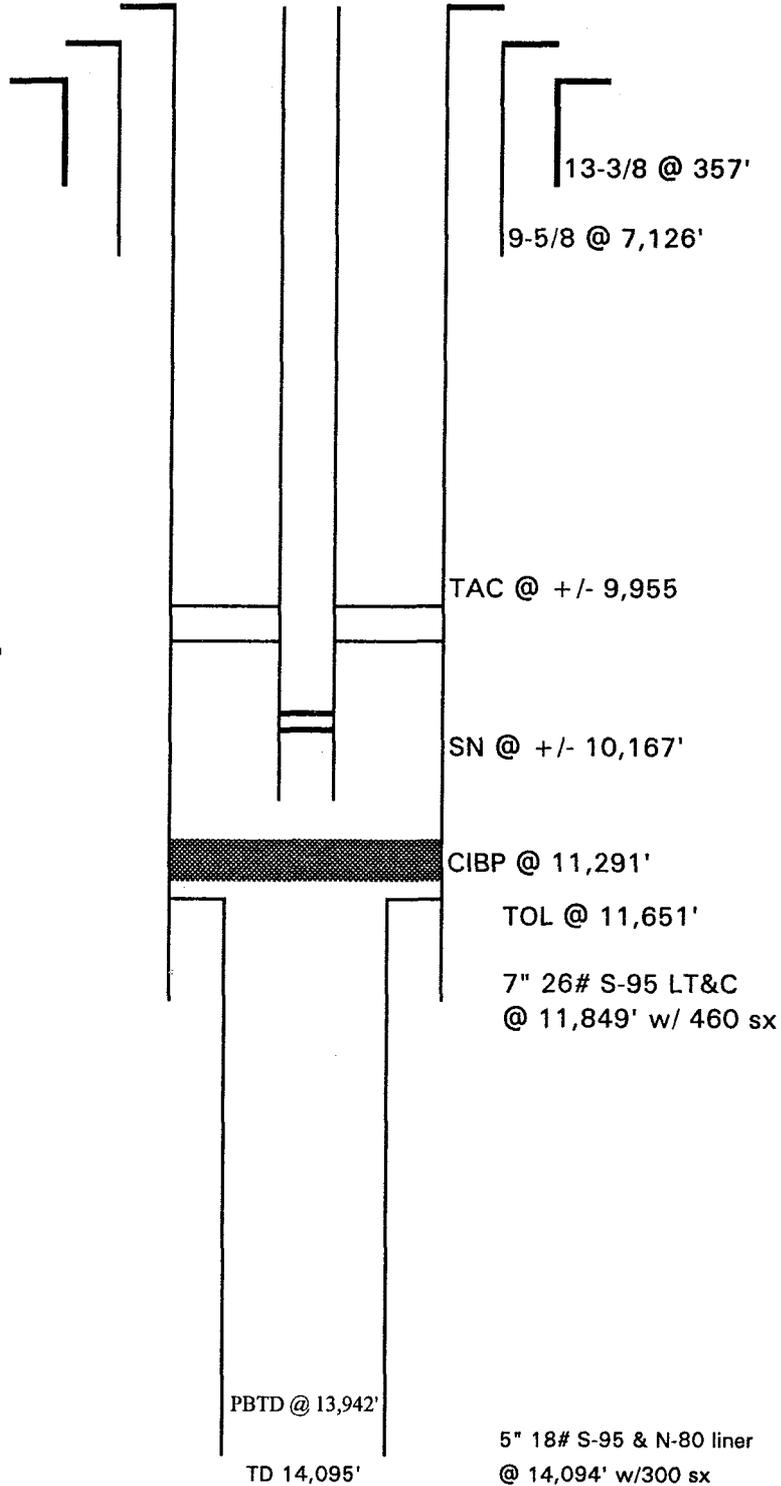
DAP:AJA



Crook 1-6B4
Altamont Field
Duchesne Co., UT

Proposed Wellbore Schematic

KB: 6,592'
GL: 6,563'



Perfs @ 10,205 - 11,284'
189 total perfs

Perfs @ 11,296 - 14,036'
823 total perfs

PBTD @ 13,942'

TD 14,095'

TAC @ +/- 9,955

SN @ +/- 10,167'

CIBP @ 11,291'

TOL @ 11,651'

7" 26# S-95 LT&C
@ 11,849' w/ 460 sx

5" 18# S-95 & N-80 liner
@ 14,094' w/300 sx

13-3/8 @ 357'

9-5/8 @ 7,126'

12/8/94 DAP

RECEIVED
MAR 10 1995
DIV OF OIL, GAS & M

SUNDRY NOTICES AND REPORTS ON WELLS

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 TO DRILL OR DEEFEN form for such proposals.

5. Lease Designation and Serial Number:
Patented

6. If Indian, Allottee or Tribe Name:
N/A

7. Unit Agreement Name:
N/A

8. Well Name and Number:
Crook #1-6B4

9. API Well Number:
43-013-30213

10. Field and Pool, or Wildcat:
Altamont

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:
ANR Production Company

3. Address and Telephone Number:
P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476

4. Location of Well
Footages: **2485' FNL & 1203' FEL** County: **Duchesne**
QQ, Sec., T., R., M.: **SE/NE Section 6-T2S-R4W** State: **Utah**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit In Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input checked="" type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>CO</u> | |

Date of work completion **2/7/95**

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. 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.)

Please see the attached chronological history for work performed on the subject well.

13.

Name & Signature:

N.O. Shiflett
Nat

Title: **N.O. Shiflett**
District Drilling Manager

Date: **03/08/95**

(This space for State use only)

tax credit
10/3/95.

ANR PRODUCTION COMPANY
CHRONOLOGICAL HISTORY

PAGE 5

CROOK #1-6B4 (CLEANOUT & ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 46.145686% ANR AFE: 00509
TD: 14,095' PBDT: 11,291' (CIBP)
5" LINER @ 11,651'-14,094'
PERFS: 10,205'-11,284' (LGR)
CWC(M\$): 84.4

- 1/23/95 POOH w/2½" tbg.
MIRU General Well Service rig #102. Remove HH and attempt to unseat pump. Pmpd 100 bbls down csg, unseated pump. Flush tbg w/60 bbls hot wtr. POOH w/121 - 1", 126 - ¾" rods. Flush tbg w/20 BW. POOH w/138 - ¾", 12 - 1" rods with 1½" pump. ND WH, strip BOP over tbg. RU floor & equip. Rls 7" TAC. Had to work torque down tbg. POOH w/110 jts 2½" 8rd tbg. CC: \$3,915
- 1/24/95 Cleanout 7" csg.
POOH w/219 jts 2½" 8rd tbg. LD BHA (SN, sub, 4½" PBGA, 1-jt 2½", solid plug, perf jt, sub, 7" TAC). PU 6½" mill & CO tool. RIH w/6½" mill, 30 jts 2½", CO tool and 296 jts 2½" 8rd tbg. PU 6 jts 2½" 8rd tbg. Left tbg above perf @ 10,209' (EOT @ 10,150'). CC: \$7,285
- 1/25/95 RIH w/7" pkr.
PU 43 jts 2½" 8rd tbg, tagged CIBP @ 11,291'. Work CO on btm. POOH w/CO tool & 6½" mill. Had 20' fill in last jt (scale & drlg mud). CC: \$13,525
- 1/26/95 Prep to acidize.
RU 4-Star. PU 4 jts 2½" 8rd tbg & 7" pkr. Hydrottested 334 jts 2½" 8rd to 8000#. Set 7" pkr @ 10,178' w/26,000# compression. Fill csg w/307 bbls 3% KCl wtr. PT csg to 1800#, held 15 min. CC: \$17,625
- 1/27/95 Prep to acidize on Monday, 1/30/95.
- 1/28-29/95 SD for weekend.
- 1/30/95 Swab testing.
RU Dowell to acidize Green River perfs from 10,205' to 11,284' w/12,000 gal 7½% HCl & 285 - 1.1 BS's. MTP 3150#, ATP 2000#. MTR 10.5 BPM, ATR 10 BPM. Good diversion, 486 BLWTR. ISIP 180#, 5 min 0#. RD Dowell, RU swab. Made 10 swab runs. IFL 6300', FFL 7300'. Swab back 128 BLW, tr oil/6 hrs, pH 5. CC: \$34,265
- 1/31/95 RIH w/production tbg.
Check pressure - SITP 500#. Swabbed 5 BO, 20 BLW/1 run, IFL 5000', oil cut 20%, pH 5. Too gassy to swab. Rls 7" pkr. POOH w/2½" & 7" pkr. CC: \$37,040
- 2/1/95 RIH w/pump & rods.
PU BHA (7" TAC, 4' sub, perf jt, 2½" solid plug, 1-jt 2½", 4½" PBGA, 6' sub, SN). RIH w/331 jts 2½". ND BOP, set 7" TAC @ 10,195' w/SN @ 10,094'. Landed 2½" w/18,000# tension. NU WH. RIH w/1½" pump, 12 - 1", 90 - ¾" rods. CC: \$39,965
- 2/2/95 Well on production, RD unit.
RIH w/48 - ¾", 126 - ¾". PU 3 - ¾" & 121 - 1" rods. Space out. Wind blowing to hard to RD. Left well pumping. CC: \$42,812
- 2/2/95 Pmpd 82 BO, 112 BW, 66 MCF, 8.7 SPM, 18 hrs.
- 2/3/95 Pmpd 80 BO, 120 BW, 96 MCF, 8.6 SPM. RD General Well #102. CC: \$47,101
- 2/4/95 Pmpd 51 BO, 73 BW, 89 MCF, 8.6 SPM.
- 2/5/95 Pmpd 66 BO, 60 BW, 89 MCF, 8.6 SPM. Will run dyno on 2/6/95.

ANR PRODUCTION COMPANY
CHRONOLOGICAL HISTORY

CROOK #1-6B4 (CLEANOUT & ACIDIZE)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 46.145686% ANR AFE: 00509

PAGE 6

2/6/95 Pmpd 41 BO, 54 BW, 81 MCF, 8.6 SPM. Ran dyno, FL @ 8093' (SN @ 9983').

2/7/95 Pmpd 63 BO, 137 BW, 88 MCF, 8.6 SPM.

Prior prod: 20 BO, 26 BW, 25 MCF. Final report.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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 TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:	5. Lease Designation and Serial Number: See Attached
2. Name of Operator: Coastal Oil & Gas Corporation	6. If Indian, Allottee or Tribe Name: See Attached
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455	7. Unit Agreement Name: See Attached
4. Location of Well Footages: See Attached County: See Attached QQ, Sec., T., R., M.: See Attached State: Utah	8. Well Name and Number: See Attached
	9. API Well Number: See Attached
	10. Field and Pool, or Wildcat: See Attached

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Date of work completion _____

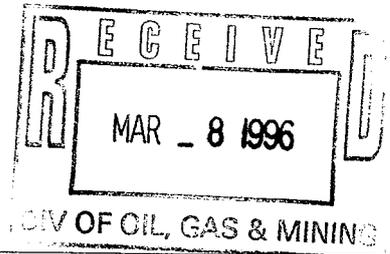
Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. 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.)

Please be advised that effective December 27, 1995, ANR Production Company relinquished and Coastal Oil & Gas Corporation assumed operations for the subject wells (see attached). Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Coastal Oil & Gas Corporation under the following bonds: State of Utah #102103, BLM Nationwide Bond #U605382-9, and BIA Nationwide Bond #11-40-66A. Coastal Oil & Gas Corporation, as operator, agrees to be responsible under the terms and conditions of the leases for the operations conducted upon leased lands.

Bonnie Carson
Bonnie Carson, Sr. Environmental & Safety Analyst
ANR Production Company



13. Name & Signature: <i>Sheila Bremer</i>	Sheila Bremer Environmental & Safety Analyst	Title: Coastal Oil & Gas Corporation	Date: 03/07/96
--	---	--------------------------------------	----------------

(This space for State use only)

Well Name & No.	API No.	Lease Designation & Serial Number	If Indian, Allottee or Tribe Name	CA No.	LOCATION OF WELL			
					Footages	Section, Township & Range	Field	County
Brotherson 1-33A4	43-013-30272	Patented 1680	N/A	N/A	820' FNL & 660' FEL	NENE, 33-1S-4W	Altamont	Duchesne
Brotherson 2-10B4	43-013-30443	Patented 1615	N/A	N/A	1241' FSL & 1364' FWL	SESW, 10-2S-4W	Altamont	Duchesne
Brotherson 2-14B4	43-013-30815	Fee 10450	N/A	N/A	2557' FSL & 1642' FWL	NESW, 14-2S-4W	Altamont	Duchesne
Brotherson 2-15B4	43-013-31103	Fee 1771	N/A	N/A	996' FWL & 1069' FSL	SWSW, 15-2S-4W	Altamont	Duchesne
Brotherson 2-22B4	43-013-31086	Fee 1782	N/A	N/A	1616' FWL & 1533' FSL	NESW, 22-2S-4W	Altamont	Duchesne
Brotherson 2-2B5	43-013-31302	Fee 11342	N/A	N/A	1034' FSL & 2464' FEL	SWSE, 2-2S-5W	Altamont	Duchesne
Christensen 2-29A4	43-013-31303	Fee 11235	N/A	N/A	1425' FSL & 2131' FEL	NWSE, 29-1S-4W	Altamont	Duchesne
→ Crook 1-6B4	43-013-30213	Patented 1825	N/A	N/A	2485' FNL & 1203' FEL	SENE, 6-2S-4W	Altamont	Duchesne
Dastrup 2-30A3	43-013-31320	Fee 11253	N/A	N/A	1250' FSL & 1229' FWL	SWSW, 30-1S-3W	Altamont	Duchesne
Doyle 1-10B3	43-013-30187	Patented 1810	N/A	N/A	2382' FNL & 2157' FWL	SENE, 10-2S-3W	Bluebell	Duchesne
Duncan 2-9B5	43-013-30719	Fee 2410	N/A	N/A	1701' FWL & 1554' FSL	NESW, 9-2S-5W	Altamont	Duchesne
Ehrich 3-11B5	43-013-31080	Fee 1691	N/A	N/A	1654' FSL & 1754' FWL	NESW, 11-2S-5W	Altamont	Duchesne
Elder 1-13B2	43-013-30366	Patented 1905	N/A	N/A	1490' FNL & 1334' FEL	SWNE, 13-2S-2W	Bluebell	Duchesne
Ellsworth 1-17B4	43-013-30126	Patented 1695	N/A	N/A	763' FNL & 1189' FEL	NENE, 17-2S-4W	Altamont	Duchesne
Ellsworth 1-19B4	43-013-30183	Patented 1760	N/A	N/A	2043' FNL & 1764' FEL	SWNE, 19-2S-4W	Altamont	Duchesne
Ellsworth 1-20B4	43-013-30351	Patented 1900	N/A	N/A	1744' FNL & 1342' FEL	SWNE, 20-2S-4W	Altamont	Duchesne
Ellsworth 1-8B4	43-013-30112	Fee 1655	N/A	N/A	1755' FNL & 2377' FEL	SWNE, 8-2S-4W	Altamont	Duchesne
Ellsworth 2-17B4	43-013-31089	Fee 1696	N/A	N/A	1355' FWL & 1362' FSL	NESW, 17-2S-4W	Altamont	Duchesne
Ellsworth 2-19B4	43-013-31105	Fee 1761	N/A	N/A	1402' FSL & 1810' FWL	NESW, 19-2S-4W	Altamont	Duchesne
Ellsworth 2-20B4	43-013-31090	Fee 1902	N/A	N/A	677' FWL & 1611' FSL	NWSW, 20-2S-4W	Altamont	Duchesne
Ellsworth 3-20B4	43-013-31389	Fee 11488	N/A	N/A	1500' FNL & 1203' FWL	SWNW, 20-2S-4W	Altamont	Duchesne
Farnsworth 1-12B5	43-013-31024	30124 Patented 1645	N/A	N/A	2479' FNL & 1503' FEL	SWNE, 12-2S-5W	Altamont	Duchesne
Farnsworth 1-13B5	43-013-30092	Patented 1610	N/A	N/A	670' FNL & 1520' FEL	NWNE, 13-2S-5W	Altamont	Duchesne
Farnsworth 1-7B4	43-013-30097	Patented 1600	N/A	N/A	1923' FNL & 1095' FEL	SENE, 7-2S-4W	Altamont	Duchesne
Farnsworth 2-12B5	43-013-31115	Fee 1646	N/A	N/A	993' FSL & 768' FWL	SWSW, 12-2S-5W	Altamont	Duchesne
Farnsworth 2-7B4	43-013-30470	Patented 1935	N/A	N/A	1292' FSL & 1500' FWL	SESW, 7-2S-4W	Altamont	Duchesne
Fieldstead 2-28A4	43-013-31293	Fee 11177	N/A	N/A	2431' FSL & 2212' FWL	NESW, 28-1S-4W	Altamont	Duchesne
Galloway 1-18B1	43-013-30575	Fee 2365	N/A	N/A	1519' FNL & 1565' FEL	SWNE, 18-2S-1W	Bluebell	Duchesne
Hanskutt 2-23B5	43-013-30917	Fee 9600	N/A	N/A	951' FSL & 761' FWL	SWSW, 23-2S-5W	Altamont	Duchesne
Hanson 1-24B3	43-013-30629	Fee 2390	N/A	N/A	1354' FNL & 1540' FWL	NENW, 24-2S-3W	Bluebell	Duchesne
Hanson 2-9B3	43-013-31136	Fee 10455	N/A	N/A	1461' FWL & 1531' FSL	NESW, 9-2S-3W	Altamont	Duchesne
Hanson Trust 1-32A3	43-013-30141	Patented 1640	N/A	N/A	671' FNL & 1710' FEL	NWNE, 32-1S-3W	Altamont	Duchesne
Hanson Trust 1-5B3	43-013-30109	Patented 1635	N/A	N/A	1200' FNL & 1140' FWL	NENE, 5-2S-3W	Altamont	Duchesne
Hanson Trust 2-29A3	43-013-31043	Fee 10205	N/A	N/A	1857' FWL & 1394' FSL	NESW, 29-1S-3W	Altamont	Duchesne
Hanson Trust 2-32A3	43-013-31072	Fee 1641	N/A	N/A	1141' FWL & 1602' FSL	NWSW, 32-1S-3W	Altamont	Duchesne
Hanson Trust 2-5B3	43-013-31079	Fee 1636	N/A	N/A	1606' FSL & 1482' FWL	NESW, 5-2S-3W	Altamont	Duchesne
Hartman 1-31A3	43-013-30093	Fee 5725	N/A	N/A	1019' FNL & 1024' FEL	NENE, 31-1S-3W	Altamont	Duchesne
Hartman 2-31A3	43-013-31243	Fee 11026	N/A	N/A	2437' FSL & 1505' FWL	SWSW, 31-1S-3W	Altamont	Duchesne
Hunt 1-21B4	43-013-30214	Patented 1840	N/A	N/A	1701' FNL & 782' FEL	SENE, 21-2S-4W	Altamont	Duchesne
Hunt 2-21B4	43-013-31114	Fee 1839	N/A	N/A	1512' FWL & 664' FSL	NESW, 21-2S-4W	Altamont	Duchesne
Iorg 2-10B3	43-013-31388	Fee 11482	N/A	N/A	738' FNL & 660' FEL	NENE, 10-2S-3W	Altamont	Duchesne
Lake Fork 3-15B4	43-013-31358	Fee 11378	N/A	N/A	1300' FNL & 1450' FWL	NENW, 15-2S-4W	Altamont	Duchesne
Lawrence 1-30B4	43-013-30220	Fee 1845	N/A	N/A	919' FNL & 1622' FEL	NWNE, 30-2S-4W	Altamont	Duchesne
Lawson 1-28A1	43-013-30358	Fee 1901	N/A	N/A	2275' FSL & 1802' FEL	NWSE, 28-1S-1W	Bluebell	Duchesne
Lazy K 2-14B3	43-013-31354	Fee 11452	N/A	N/A	1670' FSL & 1488' FEL	NWSE, 14-2S-3W	Bluebell	Duchesne
Lindsay 2-33A4	43-013-31141	Fee 10457	N/A	N/A	1499' FWL & 663' FSL	SESW, 33-1S-4W	Altamont	Duchesne
Lotridge Gates 1-3B3	43-013-30117	Patented 1670	N/A	N/A	965' FNL & 750' FEL	NENE, 3-2S-3W	Altamont	Duchesne
Matthews 2-13B2	43-013-31357	Fee 11374	N/A	N/A	858' FNL & 1098' FWL	NWNW, 13-2S-2W	Bluebell	Duchesne
Meeks 3-8B3	43-013-31377	Fee 11489	N/A	N/A	1065' FNL & 1124' FWL	NWNW, 8-2S-3W	Altamont	Duchesne

SUNDRY NOTICES AND REPORTS ON WELLS

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 TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

Patented

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Crook #1-6B4

9. API Well Number:

43-013-30213

10. Field and Pool, or Wildcat:

Altamont

1. Type of Well:

OIL GAS OTHER:

2. Name of Operator:

Coastal Oil & Gas Corporation

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well

Footages: 2485' FNL & 1203' FEL

County: Duchesne

QQ, Sec., T., R., M.: SE/NE Section 6-T2S-R4W

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other
- New Construction
- Pull or Alter Casing
- Recompletion
- Perforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- Abandon *
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Lower Seat Nipple
- New Construction
- Pull or Alter Casing
- Perforate
- Vent or Flare
- Water Shut-Off

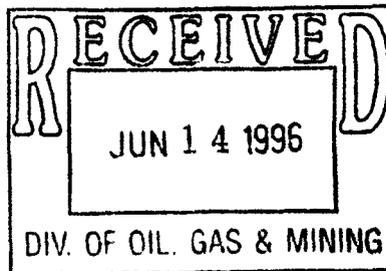
Date of work completion 4/28/96

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. 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.)

Please see the attached chronological history for work performed to lower seat nipple to enhance production on the subject well.



13.

Name & Signature:

Sheila Bremer

Sheila Bremer

Title: Environmental & Safety Analyst

Date: 06/11/96

(This space for State use only)



ANR PRODUCTION COMPANY
CHRONOLOGICAL HISTORY

CROOK #1-6B4 (LWR SN)
 ALTAMONT FIELD
 DUCHESNE COUNTY, UT
 WI: 46.145686% ANR AFE:
 TD: 14,095' PBTD: 11,291' (CIBP)
 5" LINER @ 11,651'-14,094'
 PERFS: 10,205'-11,284' (LGR)
 CWC(M\$):

- 4/24/96 **POOH stripping rods & tbg.**
 MIRU. Hot oiler down csg, remove horses head, work rods to unseat pump @ 10,088'. Unable to get unseated. Made rod backoff. POOH w/22-1" rods, NU BOP. Unset 7" tbg anchor @ 10,198'. POOH w/3 stds 2⁷/₈" tbg. SWI because of high winds. CC: \$3002.
- 4/25/96 **POOH stripping rods & tbg.**
 Open well, POOH w/7 stds 2⁷/₈", got to rods. Rods string was backed off deeper. POOH w/94-1", 129-⁷/₈", 105-³/₄" rods. POOH w/2⁷/₈" tbg & swab as necessary. EOT @ 6600'. CC: \$6178.
- 4/26/96 **Finish RIH w/tbg.**
 Open well. Finished POOH w/rods & tbg stripping. Found rod pump to be stuck by formation fines. PU new 7" AC, 1-4"x2⁷/₈" pup jt, perf jt 2⁷/₈", 2⁷/₈" steel plug, 1 plain jt 2⁷/₈", 4¹/₂" PBGA, 1-4x2⁷/₈" pup jt, new seat nipple. RIH w/2⁷/₈" tbg, 329 jts. EOT @ 10,100'. CC: \$9087.
- 4/27/96 **Finish RIH w/rods.**
 Open well. RIH w/37 jts 2⁷/₈". Tag fill @ 11,273'. LD 1 jts 2⁷/₈". Set 7" AC @ 11,245'. ND BOP (SN @ 11,137'). Land tbg w/22,000# tension. Flush tbg w/60 bbls w/hot oiler. PU 1¹/₄" rod pump, prime w/diesel. RIH w/12-1", 62-³/₄". SWI because of high winds. CC: \$13,363.
- 4/28/96 **Final.**
 Open well. Finish RIH w/rods checking all connections, 117-³/₄", 134-⁷/₈", 119-1", 3-4, 2-2x1 ponies, plish rod. Seat pump @ 11,137'. Fill tbg w/44 bbls. Test to 800#, held. Hung horses head, space out, hung polish rod. RDMO. Put unit to pumping. CC: \$21,684.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing: *EH*

1-LEC-53
2-DTS 8-FILE
3-VLD
4-RJ
5-LEC
6-FILM

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 12-27-95)

TO (new operator)	<u>COASTAL OIL & GAS CORP</u>	FROM (former operator)	<u>ANR PRODUCTION CO INC</u>
(address)	<u>PO BOX 749</u>	(address)	<u>PO BOX 749</u>
	<u>DENVER CO 80201-0749</u>		<u>DENVER CO 80201-0749</u>
	<u>phone (303) 572-1121</u>		<u>phone (303) 572-1121</u>
	<u>account no. N 0230 (B)</u>		<u>account no. N0675</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>013-30213</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- lec* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 3-8-96)*
- lec* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 3-8-96)*
- N/A* 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- N/A* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- lec* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-11-96) (4-3-96/Indian) (4-15-96/Fcc C.A.'s) (8-20-96/Indian C.A.'s)*
- lec* 6. Cardex file has been updated for each well listed above.
- lec* 7. Well file labels have been updated for each well listed above.
- lec* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-11-96)*
- lec* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) Surety No. U605382-1 (\$80,000) United Pacific Ins. Co.

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files. ** Upon Compl. of routing.*
- Yes 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date March 11, 1996. If yes, division response was made by letter dated 19 . *(Same Bond as Coastal)*

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- Yes 1. All attachments to this form have been microfilmed. Date: 1-7 1997.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

960311 This change involves Fee lease / non C.A. wells ~~only~~ State lease wells.
~~C.A. & Indian lease wells will be handled on separate change.~~

960412 BLM / SL Aprv. C.A.'s 4-11-96.

960820 BIA Aprv. CA's 8-16-96.

960329 BIA Aprv. Indian Lease wells 3-26-96.

WE71/34-35

* 961107 Lemicy 2-582/43-013-30784 under review at this time; no chg. yet!

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number
Patented

6. Indian, Allottee or Tribe Name:
N/A

7. Unit Agreement Name:
N/A

8. Well Name and Number:
Crook 1-6B4

9. API Well Number:
43-013-30213

10. Field and Pool, or Wildcat
Altamont

SUNDRY NOTICES AND REPORTS ON WELLS

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 TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL GAS OTHER:

2. Name of Operator
Coastal Oil & Gas Corporation

3. Address and Telephone Number.
P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455

4. Location of Well
Footages: **2485' FNL & 1203' FEL** County: **Duchesne**
QQ, Sec., T., R., M.: **SE/NE Section 6-T2S-R4W** State: **Utah**

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input checked="" type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon* | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

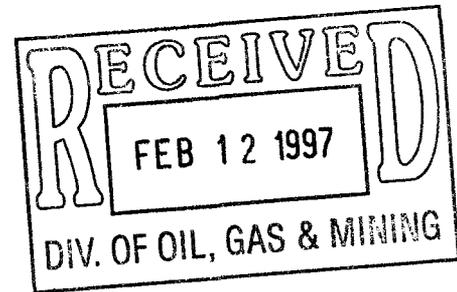
Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

Approximate date work will start Upon Approval

12. 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.)

Please see the attached workover procedure for work to be performed on the subject well.



13. Name & Signature Sheila Bremer Title Environmental & Safety Analyst Date 2/7/97

(This space for State use only)

Handwritten signature and date: 2/28/97

**CROOK #1-6B4
Section 6 T2S R4W
Altamont Field
Duchesne Co. Utah**

PROCEDURE:

1. MIRU PU. POOH w/rods and pump. NDWH. Rlse TAC set @ 11,249'.
NUBOP. POOH w/tbg.
2. RIH w/cleanout tools. Clean out to CIBP @ 11,291'.
3. RIH w/retr pkr on 2-7/8" tbg. Hydrotest GIH to 8500 psi. Set pkr @ 10,150'.
PT csg to 1000 psi.
4. MIRU Dowell to acidize interval w/12,000 gals Gelled 15% HCL and 2000 gals
of 15% NEA per attached treatment schedule. MTR 10 BPM.
5. Swab back load. Rlse pkr, POOH.
6. RIH w/bullplugged 4' 2-7/8" perf sub, SN, 38 jts of 2-7/8" tbg, TAC on 2-7/8"
tbg. SN @ approx. 11,287' TAC @ 10,090'. RIH w/1-1/2" pump.
7. Return well to prod.

Well Name: Crook #1-6B4

Date: 1/14/97

Fluid Description	Stage #	3% KCl (Gal)	Gelled 10 ppg Brine (Gal)	Gelled Acid (Gal)	15 % HCl Spearhead (Gal)	Gelled Spacer (Gal)
Pad	1	2,100				
Spearhead	3				1,000	
Gelled Acid	4			6,000		
Spacer	5					6,000
Divertor	6		2,000			
Spearhead	7				1,000	
Gelled Acid	8			6,000		
Spacer	9					6,000
Flush	10	3,500				
Totals	(gals):	5,600	2,000	12000, 1.2 S.G.	2,000	12000, 1.2 S.G.
	(bbls):	133	48		48	

Gelled Saltwater to contain: 1/2 ppg BAF
1/2 ppg Rock Salt
0 ppg Wax Beads
Y Crosslinked? YF140 Crosslinked gel

Packer set @ 10,150'

Treatment down 2 7/8" tubing @ 8,500 psi MTP, MTR @ 10 bpm

COASTAL OIL & GAS CORP.

Field - Alhambra/Bhabela

Service Co. Western Pipe & Steel Well Com 1-1634

John Q. Farrow GREY Duckworth State Utah

Date June 20, 1996

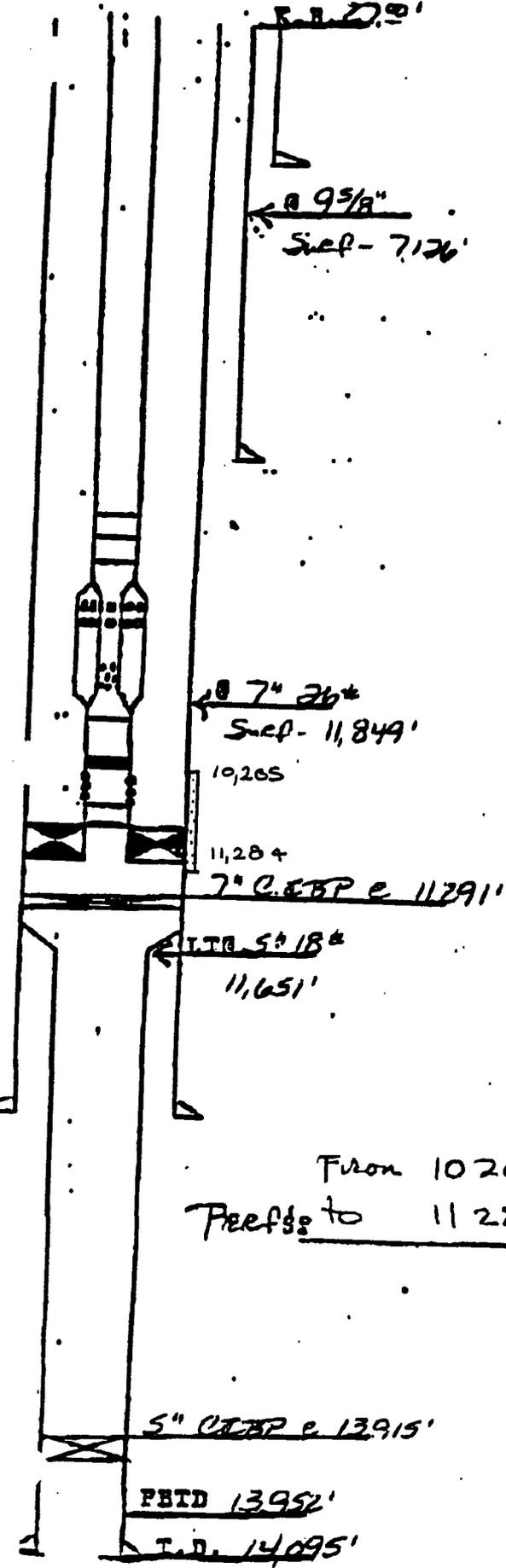
Foreman Brend Jensen

CSG DATA

SIZE	WT.	GRADE	FROM	TO
13 3/8"			Set	- 357'
9 5/8"			Set	- 7126'
7"	26*	S-95	Set	- 11849'
5"	18*	S-95-H-80	11651'	- 14094'

BRIEF COMPLETION SUMMARY

Dr. - Standard Oil - 1st. - 1000' 4' Pore - 7 1/2" log
Top - 1000' - Station - 1000' 7 1/2" log - 2 1/4"
w/ pack - top of 1st. - 1000' - 2 1/4"
Land hole - 11,284' - 8950'



TBQ. in hole as below

83 lbs #2 35.45%

7 lbs Yellow Band

275 lbs #1 0.30%

365 lbs #1

Item	Weight	Percentage
FINAL STATUS	5.00	27.00
Carried TBQ - 2 1/2" log	1.00	11.08.72
Plus 45 Sub. (1000' - 1000')	1.10	(2.16)
2 1/2" TBQ Sub.	33.00	30.08
4 1/2" TBQ (1000' - 1000')	1.07	29.89
Steel TBQ Plug	4.08	7.85
Applied 1/2" TBQ		
7" ml. Status 5-7 Airlock w/		
Thermostat Slips		

From 10205

Perf to 11284

S.N. e 11,142.82'

A/R e 11,249.97'

TBQ. Landed w/ 25,000 # TENSION

5" UTBP e 13915'

PBD 13952'

T.D. 14095'

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number
Patented

6. Indian, Allottee or Tribe Name:
N/A

7. Unit Agreement Name:
N/A

8. Well Name and Number:
Crook 1-6B4

9. API Well Number:
43-013-30213

10. Field and Pool, or Wildcat
Altamont

SUNDRY NOTICES AND REPORTS ON WELLS

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 TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL GAS OTHER:

2. Name of Operator
Coastal Oil & Gas Corporation

3. Address and Telephone Number.
P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455

4. Location of Well
Footages: **2485' FNL & 1203' FEL**
QQ, Sec., T., R., M.: **SE/NE Section 6-T2S-R4W**

County: **Duchesne**
State: **Utah**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon* | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input checked="" type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion 3/26/97

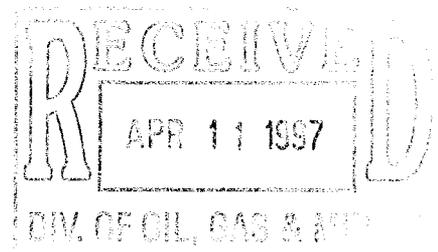
Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

Approximate date work will start _____

12. 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.)

Please see the attached chronological history for work performed on the subject well.



13. Name & Signature Sheila Bremer Title Environmental & Safety Analyst

Date 4/10/97

(This space for State use only)

WO tax credit 6/98

COASTAL OIL & GAS CORPORATION
CHRONOLOGICAL HISTORY

CROOK #1-6B4 (ACIDIZE GREEN RIVER)
ALTAMONT FIELD
DUCHESNE COUNTY, UTAH
TD: 14,095' WI: 87.86%
PBSD: 13,952' AFE: 26918
PERFS: 10,205'-11,284'
5" @ 14,094'
CWC(M\$): 65.1

- 3/6/97 **POOH w/rods & 1½" pump.**
MIRU, work rd for 2 hrs to unseat pump @11,143', flush rods w/60 bbls TGRW, POOH w/103 rods, EOP @ 8568'. CC: \$3552.
- 3/7/97 **PU 7" drag bit, RIH.**
POOH w/rods & 1½" pump. ND WH, NU BOP. Rel TAC @ 11,249'. POOH w/2¾" tbg & BHA, 7" TAC. CC: \$7289.
- 3/8/97 **Hydrotest.**
PU 6¾" drag bit, CO tools. RIH, tag @ 11,281'. CO to CIBP @ 11,291'. POOH w/tbg & CO tools, LD tools 60' of fill. CC: \$12,380.
- 3/9/97 No activity.
- 3/10/97 **Acidize GR.**
500# SIP, bled off. RU hydro tester. PU & RIH w/7" HD pkr & 2¾" tbg hydrotesting to 8500#. Set pkr @ 10,166', fill csg w/307 bbls TGRW, test to 1000# - ok. Bled off. CC: \$17,593.
- 3/11/97 **Ck press, FL & swab.**
200# SITP, bled off. RU Dowell & acidize GR perfs from 10,205' to 11,284' w/12,000 gals gelled 15% HCL with additives, BAF, rocksalt, & 150 1.3 BS's, MTP 2921#, ATP 1900#, MTR 10 BPM, ATR 10 BPM. ISIP 130#, 5 min 0#. TLTR 812 bbls. Diversion poor. Had communication during job. RD Dowell. Rel pkr, work up & dwn hole, reset pkr @ 10,166'. RU swab @ 1PM - 1 hr. Made 2 swab runs, IFL 5100', pulled 14 BW, air comp on rig went out, installed new air compressor, down for 1½ hrs. Swabbed 2 more hrs, 4 runs, rec 26 BW, FFL 8700', 772 BLTR, PH 7.0. CC: \$59,455.
- 3/12/97 **Set TAC.**
200# SITP, bled off. Made 1 run, IFL 10,050', ran to SN @ 10,162'. POOH w/¼ bbls water, rel pkr @ 10,166', POOH w/2¾" tbg & 7" HD pkr. PU & RIH w/bull plug, 4' perf'd sub, SN, 39 jts 2¾" tbg, 7" TAC, & 2¾" tbg. EOT 11,267'. CC: \$62,539.
- 3/13/97 **On prod, RD in am.**
Tag fill @ 11,271'. PU 4', set TAC @ 10,093', SN @ 11,262', EOT @ 11,267'. ND BOP, ld tbg on hanger, NU WH. PU & RIH w/1½" pump & rods, seat pmp @ 11,262', fill w/40 bbls TGRW, test to 500# - ok. Good pump action, flush flow line w/15 bbls TGRW, steam off WH, start pump unit, too windy to RD. CC: \$68,050.
Pmpd 0 BO, 129 BW, 68 MCF, 7.6 SPM.
- 3/14/97 Pmpd 6 BO, 177 BW, 105 MCF, 7.6 SPM
- 3/15/97 Pmpd 0 BO, 133 BW, 105 MCF, 7.6 SPM
- 3/16/97 Pmpd 0 BO, 84 BW, 50 MCF, 7.6 SPM / 12 hrs. Fire tube failure.
- 3/17/97 Pmpd 0 BO, 179 BW, 87 MCF, 7.6 SPM.
- 3/18/97 Pmpd 0 BO, 149 BW, 94 MCF, 7.6 SPM.
- 3/19/97 Pmpd 86 BO, 86 BW, 76 MCF, 7.6 SPM, 24 hrs.
- 3/20/97 Well SI for sfc repairs. Well producing drilling mud. Isolate water dump to frac tank.

COASTAL OIL & GAS CORPORATION
CHRONOLOGICAL HISTORY

CROOK #1-6B4 (ACIDIZE GREEN RIVER)
ALTAMONT FIELD
DUCHESNE COUNTY, UTAH
TD: 14,095' WI: 87.86%

3/21/97 Pmpd 52 BO, 40 BW, 31 MCF, 7.6 SPM.
3/22/97 Pmpd 84 BO, 55 BW, 70 MCF, 7.6 SPM.
3/23/97 Pmpd 40 BO, 106 BW, 60 MCF, 7.6 SPM.
3/24/97 Pmpd 29 BO, 100 BW, 55 MCF, 7.6 SPM.
3/25/97 Pmpd 27 BO, 84 BW, 57 MCF, 7.6 SPM, 24 hrs.
3/26/97 Pmpd 34 BO, 92 BW, 60 MCF, 7.6 SPM, 24 hrs.
Ran dyno, FL @ pump (SN @ 11,262'), POC 76%, rods 104%, struc 91%.
Prior production: 13 BOPD, 41 BWPD, 29 MCFPD.
Final report.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 368 South 1200 East CITY Vernal STATE Utah ZIP 84078		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: 435-789-4433		8. WELL NAME and NUMBER: Exhibit "A"
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER:
COUNTY: _____		10. FIELD AND POOL, OR WILDCAT:
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

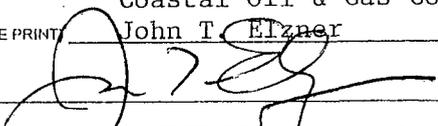
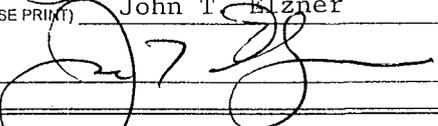
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation	
NAME (PLEASE PRINT) John T. Elzner	TITLE Vice President
SIGNATURE 	DATE 06-15-01
El Paso Production Oil & Gas Company	
NAME (PLEASE PRINT) John T. Elzner	TITLE Vice President
SIGNATURE 	DATE 06-15-01

(This space for State use only)

RECEIVED

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING

State of Delaware
Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

JUN 13 2001

DIVISION OF
OIL, GAS AND MINING



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST," so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

David L. Siddall

David L. Siddall
Vice President

Attest:

Margaret E. Roark

(Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS ✓
2. CDW ✓		5-LR ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

The operator of the well(s) listed below has changed, effective: **3-09-2001**

FROM: (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

CA No.

Unit:

WELL(S)

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
EVANS 2-19B3 (CA 96-78)	43-013-31113	1777	19-02S-03W	FEE	OW	P
HANSON 1-2B3	43-013-30629	2390	24-02S-03W	FEE	OW	P
BROTHERSON 1-2B4 (CA 96-35)	43-013-30062	1570	02-02S-04W	FEE	OW	P
BROTHERSON 2-2B4 (CA 96-35)	43-013-30855	8420	02-02S-04W	FEE	OW	P
BROTHERSON 2-3B4	43-013-31008	10165	03-02S-04W	FEE	OW	P
OMAN 2-4B4	43-013-30645	9125	04-02S-04W	FEE	OW	P
CHRISTENSEN 3-4B4	43-013-31142	10481	04-02S-04W	FEE	OW	S
CHANDLER 1-5B4 (CA NW-580)	43-013-30140	1685	05-02S-04W	FEE	OW	P
CHANDLER 2-5B4 (CA NW-580)	43-013-31000	10075	05-02S-04W	FEE	OW	P
CROOK 1-6B4	43-013-30213	1825	06-02S-04W	FEE	OW	S
POTTER 2-6B4	43-013-31249	11038	06-02S-04W	FEE	OW	P
FARNSWORTH 1-7B4	43-013-30097	1600	07-02S-04W	FEE	OW	S
FARNSWORTH 2-7B4	43-013-30470	1935	07-02S-04W	FEE	OW	P
ELLSWORTH 1-8B4	43-013-30112	1655	08-02S-04W	FEE	OW	P
ELLSWORTH 2-8B4	43-013-30898	2418	08-02S-04W	FEE	OW	P
ELLSWORTH 1-9B4 (CA 96-45)	43-013-30118	1660	09-02S-04W	FEE	OW	P
ELLSWORTH 2-9B4 (CA 96-45)	43-013-31138	10460	09-02S-04W	FEE	OW	S
BROTHERSON 1-10B4	43-013-30110	1614	10-02S-04W	FEE	OW	P
BROTHERSON 2-10B4	43-013-30443	1615	10-02S-04W	FEE	OW	P
BROTHERSON 2-11B4	43-013-31078	1541	11-02S-04W	FEE	OW	P

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
- Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 07/03/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/03/2001
3. Bond information entered in RBDMS on: 06/20/2001
4. Fee wells attached to bond in RBDMS on: 07/03/2001

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 400JU0708
2. The **FORMER** operator has requested a release of liability from their bond on: COMPLETION OF OPERATOR CHANGE
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: COMPLETION OF OPERATOR CHANGE

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 8.15.01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filed in each well file on: _____

COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

Change of Operator (Well Sold)

X Operator Name Change

The operator of the well(s) listed below has changed, effective: <u>7/1/2006</u>	
FROM: (Old Operator): N1845-El Paso Production O&G Company 1001 Louisiana Street Houston, TX 77002 Phone: 1 (713) 420-2300	TO: (New Operator): N3065-El Paso E&P Company, LP 1001 Louisiana Street Houston, TX 77002 Phone: 1 (713) 420-2131
CA No.	Unit:

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 7/5/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/5/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/30/2006
- Is the new operator registered in the State of Utah: YES Business Number: 2114377-0181
- If **NO**, the operator was contacted on: _____
- (R649-9-2) Waste Management Plan has been received on: _____ requested 7/18/06
- Inspections of LA PA state/fee well sites complete on: ok
- Reports current for Production/Disposition & Sundries on: _____
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA not yet
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 7/14/2006

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 7/19/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/19/2006
- Bond information entered in RBDMS on: 7/19/2006
- Fee/State wells attached to bond in RBDMS on: 7/19/2006
- Injection Projects to new operator in RBDMS on: 7/19/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: 7/5/2006

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: 103601420
- Indian well(s) covered by Bond Number: 103601473
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 400JU0708
- The **FORMER** operator has requested a release of liability from their bond on: n/a applicable wells moved
 The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 7/20/2006

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER: MULTIPLE LEASES
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: SEE ATTACHED
2. NAME OF OPERATOR: EL PASO PRODUCTION OIL AND GAS COMPANY <i>N1845</i>		9. API NUMBER:
3. ADDRESS OF OPERATOR: 1339 EL SEGUNDO AVE NE ALBUQUERQUE NM 87113	PHONE NUMBER: (505) 344-9380	10. FIELD AND POOL, OR WILDCAT: SEE ATTACHED
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED		COUNTY: UINTAH & DUCHESNE
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: <u>CHANGE OF OPERATOR</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PLEASE BE ADVISED THAT EL PASO PRODUCTION OIL AND GAS COMPANY (CURRENT OPERATOR) HAS TRANSFERRED ITS OPERATORSHIP TO EL PASO E&P COMPANY, L.P. (NEW OPERATOR) EFFECTIVE ~~JUNE 30~~ *July 1,* 2006 AND THAT EL PASO E&P COMPANY, L.P. IS CONSIDERED TO BE THE NEW OPERATOR OF THE ATTACHED WELL LOCATIONS.

EL PASO E&P COMPANY, L.P. IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASED LANDS. BOND COVERAGE IS PROVIDED BY THE STATE OF UTAH STATEWIDE BLANKET BOND NO. 400JU0705, BUREAU OF LAND MANAGEMENT NATIONWIDE BOND NO. 103601420, AND BUREAU OF INDIAN AFFAIRS NATIONWIDE BOND NO. 103601473.

El Paso E & P Company, L. P. *N3065*
1001 Louisiana
Houston, TX 77002

William M. Griffin
William M. Griffin, Sr. Vice President

NAME (PLEASE PRINT) <u>CHERYL CAMERON</u>	TITLE <u>AUTHORIZED REGULATORY AGENT</u>
SIGNATURE <i>Cheryl Cameron</i>	DATE <u>6/20/2006</u>

(This space for State use only)

APPROVED 7/19/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

RECEIVED
JUL 05 2006
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____			5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1099 18TH ST, SUITE 1900 CITY Denver STATE CO ZIP 80202			7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2485' FNL, 1203' FEL			8. WELL NAME and NUMBER: Crook 1-6B4
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 6 T2S R4W			9. API NUMBER: 4301330213
COUNTY: Duchesne			10. FIELD AND POOL, OR WILDCAT: Altamont
STATE: UTAH			

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Surface Meter</u> <u>Commingle</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The referenced well is commingled at surface meter with the Farnsworth 2-7B4 API# 43-013-30470 and the Potter 2-6B4 API# 43-013-31249

NAME (PLEASE PRINT) <u>Rachael Overbey</u>	TITLE <u>Engineering Tech</u>
SIGNATURE	DATE <u>7/16/2008</u>

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RECEIVED
AUG 05 2008
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: Crook 1-6B4	
2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.	9. API NUMBER: 4301330213	
3. ADDRESS OF OPERATOR: 1099 18TH ST, SUITE 1900 CITY Denver STATE CO ZIP 80202	PHONE NUMBER: (303) 291-6417	10. FIELD AND POOL, OR WILDCAT: Altamont
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2485' FNL, 1203' FEL		COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 6 T2S R4W		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 10/29/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>commingle/measure</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL, 2-6B4(4301331249) AND 2-7B4(4301330470) UTILIZE SEPARATE TREATERS WITH THEIR OWN ORIFICE METER GAS CHARTS AND THEN SHARE THE SAME GAS SALES METER. THE ORIFICE METER GAS CHARTS AT EACH TREATER ARE FOR ALLOCATION PURPOSES ONLY. OIL & WATER PRODUCTION VOLUMES ARE TAKEN FROM OIL AND WATER METERS WITHIN THE TREATER.

COPY SENT TO OPERATOR
Date: 12.3.2009
Initials: KS

NAME (PLEASE PRINT) <u>MARIE OKEEFE</u>	TITLE <u>SR REGULATORY ANALYST</u>
SIGNATURE <u><i>Marie Okeefe</i></u>	DATE <u>10/29/2009</u>

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION
OIL, GAS AND MINING
DATE: 11/30/09
BY: *[Signature]* (See Instructions on Reverse Side)

RECEIVED
NOV 09 2009
DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2012

FROM: (Old Operator): N3065- El Paso E&P Company, L.P. 1001 Louisiana Street Houston, TX. 77002 Phone: 1 (713) 997-5038	TO: (New Operator): N3850- EP Energy E&P Company, L.P. 1001 Louisiana Street Houston, TX. 77002 Phone: 1 (713) 997-5038
--	---

WELL NAME	CA No.	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List									

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- 4a. Is the new operator registered in the State of Utah: Business Number: 2114377-0181
- 5a. (R649-9-2)Waste Management Plan has been received on: Yes
- 5b. Inspections of LA PA state/fee well sites complete on: N/A
- 5c. Reports current for Production/Disposition & Sundries on: 6/25/2012
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA Not Received
7. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: **Second Oper Chg**

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 6/29/2012
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/29/2012
3. Bond information entered in RBDMS on: 6/29/2012
4. Fee/State wells attached to bond in RBDMS on: 6/29/2012
5. Injection Projects to new operator in RBDMS on: 6/29/2012
6. Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 103601420
2. Indian well(s) covered by Bond Number: 103601473
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0705
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/29/2012

COMMENTS:

Disposal and Injections wells will be moved when UIC 5 is received.

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
Multiple Leases

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:
See Attached

2. NAME OF OPERATOR:
El Paso E&P Company, L.P. Attn: Maria Gomez

9. API NUMBER:

3. ADDRESS OF OPERATOR:
1001 Louisiana CITY Houston STATE TX ZIP 77002

PHONE NUMBER:
(713) 997-5038

10. FIELD AND POOL, OR WILDCAT:
See Attached

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **See Attached**
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

COUNTY:
STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

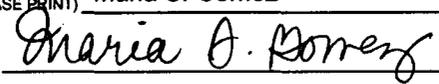
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Change of
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Name/Operator

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.


Frank W. Falleri
Vice President
El Paso E&P Company, L.P.


Frank W. Falleri
Sr. Vice President
EP Energy E&P Company, L.P.

NAME (PLEASE PRINT) Maria S. Gomez
SIGNATURE 

TITLE Principal Regulatory Analyst
DATE 6/22/2012

(This space for State use only)

APPROVED 6/29/2012
Rachel Medina
Division of Oil, Gas and Mining
Erlene Russell, Engineering Technician
Rachel Medina

(See Instructions on Reverse Side)

RECEIVED
JUN 25 2012
DIV. OF OIL, GAS & MINING

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERRHANSLY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	

El Paso E2 Company, L.P. (N3065) to EP Energy E2 Company, L.P. (N3850) effective 6/1/2012

UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MCFARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	

El Paso E3 Company, L.P. (N3065) to EP Energy E3 Company, L.P. (N3850) effective 6/1/2012

JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P

El Paso E4 Company, L.P. (N3065) to EP Energy E4 Company, L.P. (N3850) effective 6/1/2012

HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P

El Paso E5 Company, L.P. (N3065) to EP Energy E5 Company, L.P. (N3850) effective 6/1/2012

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

El Paso E6 Company, L.P. (N3065) to EP Energy E6 Company, L.P. (N3850) effective 6/1/2012

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P
OBERHANSLY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA

El Paso E7 Company, L.P. (N3065) to EP Energy E7 Company, L.P. (N3850) effective 6/1/2012

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA
OBERHANSLY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S

El Paso E8 Company, L.P. (N3065) to EP Energy E8 Company, L.P. (N3850) effective 6/1/2012

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	

El Paso E9 Company, L.P. (N3065) to EP Energy E9 Company, L.P. (N3850) effective 6/1/2012

HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	