

FILE NOTATIONS

Entered in WEP File
Location Log Filled
Card Indexed

✓
✓
✓

Checked by Chief
Assistant Engineer
Blind General Master

P.W.B.
1-33-73

COMPLETION DATA:

Date Well Completed 8-16-73

Location Inspected

Bond released

State or Sea Land

W..... NW..... EA.....

N..... SE..... SA.....

LOGS FILED

Miller's Log.....

Electric-Log (Log)

..... Micro.....

..... Sonic.....

CBLog..... Others.....

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

PRB

5. Lease Designation and Serial No.

Patented

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

7. Unit Agreement Name

2. Name of Operator

Shell Oil Company (Rocky Mountain Division Production)

8. Farm or Lease Name

Birch

3. Address of Operator

1700 Broadway, Denver, Colorado 80202

9. Well No.

1-27B5

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

At surface

1620' FNL and 1306' FEL Sec 27

10. Field and Pool, or Wildcat

Altamont

At proposed prod. zone

NWSENE

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

SE/4 NE/4 Section 27-T 2S-R 5W

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

8 miles north of Duchesne

12. County or Parrish 13. State

Duchesne Utah

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

1306' from property and lease line

16. No. of acres in lease

640

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

12,600'

20. Rotary or cable tools

Rotary

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

6069 GL (Ungraded)

22. Approx. date work will start*

Soon

23. 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"		0-300'	Circ to sfc - 450 sx
12 1/4"	9 5/8"		300-6700'	Btm 1500' + 300 sx
				bullhead
8 3/4"	7"		6,700-10,850'	Btm 1500'
6 1/8"	5" liner		10,850-12,600'	Full liner length

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

139-3/139-4
Ok

Verbal approval to drill obtained from Schereé De Rose by G. W. Van Kirk 1-16-73. *Ok*

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 Jan. 18, 1973

(This space for Federal or State office use)

Permit No. 45-013-30197 Approval Date

Approved by _____ Title _____ Date _____

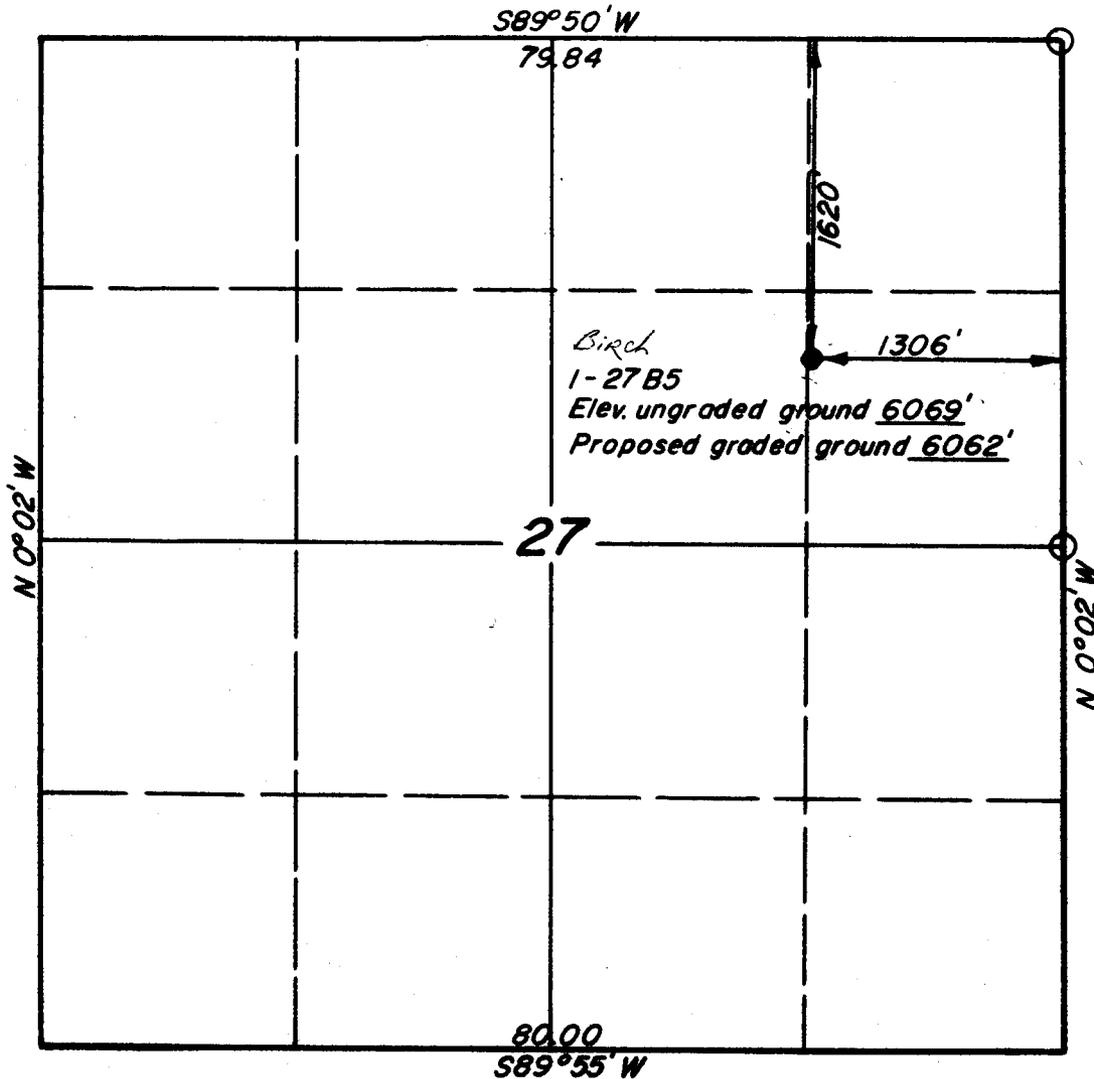
Conditions of approval, if any:

PROJECT

T2S, R5W, U.S.M.

SHELL OIL COMPANY

Well location 1-27B5, in the *SE 1/4*
NE 1/4 Section 27, T2S, R5W,
U. S. 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.

Gene Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

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

SCALE 1" = 1000'	DATE 13, 14 DEC. 1972
PARTY GS, HM, RR	REFERENCES G L O plat
WEATHER Cold	FILE S O

○ = Corners located & used

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

300-6,700 - Rotating head
6,700-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 - 9,300' - Clear water
Circulate reserve pit
Flocculate as necessary

9,300'-TD - Weighted gel chemical

January 23, 1973

Shell Oil Company
1700 Broadway
Denver, Colorado 80202

Re: Well No. Birch #1-27B5
Sec. 27, T. 2 S, R. 5 W, USM
Duchesne County, Utah

Gentlemen:

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

Should you determine that it will be necessary to plug and abandon this well, 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 number assigned to this well is 43-013-30197.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

(See other instructions on reverse side)

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

NOV 19 1973

[Handwritten initials]

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

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

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 1620' FNL and 1306' FEL Sec 27
 At top prod. interval reported below
 At total depth

14. PERMIT NO. 43-013-30197 DATE ISSUED 1-23-73

5. LEASE DESIGNATION AND SERIAL NO. Patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Birch

9. WELL NO. 1-27B5

10. FIELD AND POOL, OR WILDCAT Altamont

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE/4 NE/4 Section 27-T 2S-R 5W

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUNDED 1-31-73 16. DATE T.D. REACHED 4-5-73 17. DATE COMPL. (Ready to prod.) 8-16-73 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6062 GL, 6081 KB 19. ELEV. CASINGHEAD 19'

20. TOTAL DEPTH, MD & TVD 12,600 21. PLUG, BACK T.D., MD & TVD 12,538 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 10,393-12,512 25. WAS DIRECTIONAL SURVEY MADE No

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

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	68#	300'	17 1/2"	400 SX	0
9 5/8"	40#	6,990'	12 1/4"	850 SX	0
7"	28#	10,503'	8 3/4"	520 CF	0

29. LINER RECORD CF 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5"	10,260	12,600	270				

31. PERFORATION RECORD (Interval, size and number) As per attachments
 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
 DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION
 DATE FIRST PRODUCTION 8-16-73 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing
 DATE OF TEST 8-30-73 HOURS TESTED 24 CHOKE SIZE 8/64" PROD'N. FOR TEST PERIOD → OIL—BBL. 488 GAS—MCF. 291 WATER—BBL. 0 GAS-OIL RATIO 678
 FLOW. TUBING PRESS. 3400 CASING PRESSURE 0 CALCULATED 24-HOUR RATE → OIL—BBL. 488 GAS—MCF. 291 WATER—BBL. 0 OIL GRAVITY-API (CORR.) 43.3°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel on lse, 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 *K. R. Jordan* TITLE Division Operations Engr. DATE 10-31-73

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

Shell-Birch 1-27B5
 (D)
 12,600' Wasatch Test
 KB 6081'
 5" liner @ 12,600'

TD 12,600. PB 12,538. SI to change tree. On various tests, flwd as follows:

AUG 27 1973

Date	Hrs	BO	BW	MCF Gas	Chk	FTP	CP
8/25	24	164	0	217	6/64"	3600	0
8/26	24	820	0	217	6/64"	3600	0
8/27	20	445	10	360	11/64"	3500	0

Shell-Birch 1-27B5
 (D)
 12,600' Wasatch Test
 KB 6081'
 5" liner @ 12,600'

TD 12,600. PB 12,538. Flowing. On 24-hr test, flwd 868 BO, no wtr and 574 MCF gas on 11/64" chk w/3300 psi FTP and zero CP. AUG 28 1973

Shell-Birch 1-27B5
 (D)
 12,600' Wasatch Test
 KB 6081'
 5" liner @ 12,600'

TD 12,600. PB 12,538. Flowing. On 24-hr test, flwd 495 BO, no wtr and 761 MCF gas on 8/64" chk w/2100 psi FTP and zero CP. AUG 29 1973

Shell-Birch 1-27B5
 (D)
 12,700' Wasatch Test
 KB 6081'
 5" liner @ 12,600'

TD 12,600. PB 12,538. Flowing. On 24-hr test, flwd 805 BO, no wtr and 513 MCF gas on 11/64" chk w/3100 psi FTP and zero CP. AUG 30 1973

Shell-Birch 1-27B5
 (D)
 12,700' Wasatch Test
 KB 6081'
 5" liner @ 12,600'

TD 12,600. PB 12,538. Flowing. On 24-hr test 8/30/73, flwd 488 BO, no wtr and 291 MCF gas (GOR 678) on 8/64" chk w/3400 psi FTP and zero CP from Wasatch and Flagstaff perfs 10,393, 10,394, 10,395, 10,449, 10,450, 10,454, 10,455, 10,481, 10,482, 10,483, 10,484, 10,485, 10,486, 10,487, 10,488, 10,539, 10,540, 10,541, 10,542, 10,543, 10,590, 10,591, 10,592, 10,593, 10,594, 10,595, 10,596, 10,611, 10,612, 10,709, 10,710, 10,711, 10,745, 10,746, 10,747, 10,800, 10,801, 10,802, 10,803, 10,804, 10,825, 10,895, 10,896, 10,897, 10,898, 10,911, 10,912, 10,922, 11,003, 11,004, 11,005, 11,006, 11,007, 11,008, 11,009, 11,010, 11,011, 11,242, 11,243, 11,412, 11,413, 11,420, 11,421, 11,422, 11,527, 11,581, 11,582, 11,583, 11,584, 11,585, 11,586, 11,587, 11,589, 11,925, 11,926, 11,953, 11,954, 11,955, 11,956, 12,040, 12,041, 12,042, 12,043, 12,044, 12,045, 12,046, 12,047, 12,290, 12,291, 12,292, 12,293, 12,294, 12,295, 12,296, 12,297, 12,298, 12,299, 12,300, 12,465, 12,466, 12,467, 12,468, 12,469, 12,470, 12,471, 12,472, 12,504, 12,505, 12,506, 12,507, 12,508, 12,509, 12,510, 12,511, 12,512.

Oil Gravity: 43.3° API @ 60°F.

Compl Test Date: 8/30/73. Initial Prod Date: 8/16/73.

(Continued)

OIL WELL

ALTAMONT

SHELL OIL COMPANY

LEASE BIRCH WELL NO.

1-27B5

DIVISION ROCKY MOUNTAIN ELEV

6081 KB

FROM: 2-1 - 8-31-73

COUNTY DUCHESNE STATE

UTAH

UTAH

ALTAMONT

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test

"FR" 200/72/1/200. Drilling. Dev: 1/2° @ 150'.
Located 1620' FNL and 1306' FEL (SE4 NE4) Section 27-
T2S-R5W, Duchesne County, Utah
Elev: 6069 GL (ungraded)
Shell Working Interest: 100% FEB 1 1973
This is a routine Wasatch development test.
Spudded well @ 3 PM, 1/31/73.
Mud: 8.6 x 60

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 300'

300/72/2/100. Flanging up. Ran 8 jts (309.04') 68#,
13-3/8" csg w/Halliburton guide shoe @ 300'. Cmtd w/
400 sx API Class "G" cmt w/3% CaCl2. Had full cmt
returns to sfc. CIP @ 12:10 AM. FEB 2 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

2/3: 300/72/3/0. Drlg cmt @ 275'. Cut 13-3/8" csg,
installed Bradenhd and tested. Wear ring would not
pass through spacer spool. Tripped in, tagged cmt @
220' and started drlg cmt.
2/4: 1178/72/4/878. Reaming. DO cmt and shoe @ 297'
(corrected). Picked up BHA and reamed through csg shoe,
reaming 50% of stds to btm. FEB 5 1973
Mud: Aerated line wtr
2/5: 1564/72/5/386. Drilling. Reamed to 718' - stuck.
Worked pipe and WO fishing tools. Made blind backoff.
Top of fish @ 20'. Jarred fish loose w/fishing tools.
Reamed to 1178'.
Mud: Aerated wtr

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

2295/72/6/731. Drilling.
Mud: Aerated wtr FEB 6 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

2935/72/7/640. Drilling.
Mud: Aerated wtr FEB 7 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

3360/72/8/425. Drilling.
Mud: Aerated wtr FEB 8 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

3724/72/9/364. Tripping in w/new bit. Dev: 3° @ 3724.
Mud: Aerated wtr FEB 9 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

2/10: 3724/79/10/0. Inspecting and picking up DC's.
Made two trips - first trip: bumper sub broke in body.
Circ 3½ hrs and tripped to magnaflux BHA, finding cracked
pin on stab.

Mud: 8.3+

2/11: 4031/79/11/307. Drilling. Inspected DC's, picked
up 5 DC's and tripped in hole and circ. CO 115' of fill.

Mud: 8.3+

2/12: 4592/79/12/561. Drilling. FEB 12 1973

Mud: 8.3+

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

5049/79/13/448. Tripping in w/new bit. FEB 13 1973
Mud: Wtr

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

5542/79/14/493. Drilling. Tripped in w/new bit, breaking
circ. FEB 14 1973
Mud: Wtr

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

5700/79/15/158. Drilling. Dev: 6° @ 5542. Changed
bit @ 5542. FEB 15 1973
Mud: Wtr

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

5913/79/16/213. Drilling. Pulled 30 stds and changed
liners in #1 pump from 6" to 7". Presently drlg w/o
air. Hole clean. FEB 16 1973
Mud: Wtr

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

2/17: 6185/79/17/272. Drilling.
2/18: 6525/79/18/340. Drilling.
2/19: 6730/79/19/205. Drilling. Circ 2½ hrs.
Tripped for bit @ 6554. FEB 19 1973
Mud: Wtr

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
13-3/8" csg @ 297'

7000/79/20/270. RU to run 9-5/8" csg. Circ hole
clean, pulled out of hole and laid down DC's.
Mud: Wtr FEB 20 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

6995/79/21/0. Flanging up EOPE. Strapped pipe
making -5' correction: 7000' = 6995'. Ran 161 jts
9-5/8", 40#, K-55, ST&C csg to 6990. Washed down last
30'. Used Hal diff fill shoe and collar. Cmt'd w/550
cu ft B-J Lite and 300 cu ft Class "G". Displaced w/
rig pump. Bumped plug w/1800 psi. Good returns during
displacement w/partial returns during mixing. Ran 3
centralizers. Landed csg in slips w/220,000#. FEB 21 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

6995/79/22/0. Testing BOP stack w/Yellow Jacket. Set
Cameron chk manifold and BOP stack. Flanged up and
started testing same FEB 22 1973
Mud: Wtr

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

7240/79/23/250. Drilling. Drld cmt, FC and shoe.
Press tested 9-5/8" csg w/2000 psi. Tested EOPE.
Mud: Wtr FEB 23 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

2/24: 7816/79/24/576. Tripping. Dev: 12° @ 7816.
Mud: Wtr
2/25: 8238/79/25/422. Drilling. Dev: 11-3/4° @ 7991.
Reamed 110'.
Mud: Wtr FEB 26 1973
2/26: 8693/79/26/455. Drilling. Dev: 9° @ 8395.
CO 60' to btm.
Mud: Wtr

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

9230/79/27/537. Drilling. Mudding up. FEB 27 1973
Mud: Wtr

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

9364/79/28/134. Drilling. Dev: 6° @ 9303. Had 15'
of fill after tripping for new bit @ 9303.
Mud: (gradient .467) 8.8 x 36 x 11 FEB 28 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

9614/79/29/250. Drilling. Lost partial returns @ 9587.
Mixed and sptd 75-sk fine nut hulls and drld w/full
returns @ 9607. Lost approx 275 bbls mud. MAR 1 1973
Mud: (gradient .484) 9.3 x 38 x 9.8

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

9784/79/30/170. Drilling w/full returns. No mud loss.
Mud: (gradient .488) 9.4 x 40 x 8 (6.05#/bbl LCM) MAR 2 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

3/3: 9856/79/31/72. Tripping in w/new bit.
Mud: (gradient .488) 9.4 x 42 (5.3#/bbl LCM)
3/4: 9996/79/32/140. Drilling. Background gas:
30 units. Connection gas: 50 units. MAR 5 1973
Mud: (gradient .504) 9.7 x 43 x 8.0 (10.0#/bbl LCM)
3/5: 10,073/79/33/77. Drilling. Show @ 10,004
w/mud cutting from 9.7 to 8.7 ppg. Raised mud to
9.9 ppg. Background gas: 10 units. Connection gas:
30 units.
Mud: (gradient .520) 10.0 x 42 x 7.4 (10.25#/bbl LCM)

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

10,148/79/34/75. Drilling. Background gas: 10 units.
Connection gas: 18 units. MAR 6 1973
Mud: (gradient .530) 10.2 x 4 3 x 7 (10.10#/bbl LCM)

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

10,240/79/35/92. Drilling. Background gas: 8 units.
Connection gas: 12 units. MAR 7 1973
Mud: (gradient .530) 10.2 x 41 x 7 (10.75#/bbl LCM)

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

10,297/79/36/57. Drilling. Changed bit @ 10,297.
Background gas: 500 units. Connection gas: 500 units.
Trip gas: 5000 units. MAR 8 1973
Mud: (gradient .535) 10.3 x 43 x 7.2 (11.55#/bbl LCM)

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

10,398/79/37/101. Drilling. Background gas: 10 units.
Connection gas: 25 units. MAR 9 1973
Mud: (gradient .556) 10.6 x 42 x 6.5 (10.7#/bbl LCM)

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9 5/8" csg at 6990'

3/10: 10,501/79/38/103 Drilling.
Mud: (gradient .556) 10.7 x 45 x 7.2 (LCM 10.15%)
3/11: 10,512/79/39/11 Short trip circ'g. Circ
and cond mud. Made trip out and took multishot.
RU to log. Stopped at 9710 - bridge. Tripped in
and broke circ at 6950'-8735'. Circ and cond
hole for logs. Made short trip - 16 stds, tight
on 3rd std and 16th. Circ and cond hole from btm.
Background gas - 20 units, trip gas - mud logger
failure. Mud cut from 10.8 to 10.4.
Mud: (gradient .560) 10.8 x 50 (LCM 9.75%) (Oil Trc)
3/12: 10,512/79/40/0 Logging. Circ and cond hole.
Ran BHCS w/GR and Cal from 10,526-300', CNL-FDC from
10,526-8200, DIL-SP from 10,526-6990. Hole took
4 bbls mud while logging. MAR 12 1973
Mud: (gradient .560) 10.8 x 50 x 7 (LCM 9.75%) (Oil
Trc).

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
9-5/8" csg @ 6990'

10,512/79/41/0. RU to run 7" csg. Reran logs. RD
logger. Tripped to 6950, breaking circ. Tripped to
8750, breaking circ. Ran to btm and circ and cond mud.
Mixed pill, pulled stds slowly. Laid down 4½" DP and
DC's. Broke down kelly, removed bit guide and changed
rams. Background gas: 12-15 units. Trip gas: 230 units.
Mud: (gradient .567) 10.9 x 55 x 7.2 (9.7#/bbl LCM)
MAR 13 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

10,512/79/42/0. Flanging up. Ran 236 jts 7", 28#,
S-95 ST&C A. O. Smith csg w/shoe @ 10,503 and FC @
10,363. Cmtd w/374 cu ft B-J Lightwt cmt (slurry 12.4
ppg) followed by 146 cu ft Neat cmt (slurry 15.9 ppg).
Displaced w/393 bbls mud. Had 100% circ while mixing
cmt and 90% circ while displacing first 360 bbls mud
and no circ w/last 33 bbls mud. MAR 14 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

10,512/79/43/0. Picking up 3½" DP. Nippled up and
tested BOP's and chk manifold. Attempted to test kelly,
valves, etc - test unit broke. MAR 15 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

10,512/79/44/0. Testing kelly. Picked up 3½" DP. Found top of cmt @ 10,233. CO to top of FC @ 10,363. Press tested to 2700 psi for 15 min. CO hd cmt to 10,483. Press tested to 2800 psi for 15 min. Circ hole clean. Changed out kelly. Yellow Jacket tested kelly and std pipe. Retested hydraulic valve and manual valve on kill line. MAR 16 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

3/17: 10,526/79/45/14. Drilling w/mill tooth bit. RD Yellow Jacket after testing kelly. RU Schl and ran CBL-VDL from 10,420-9350. Good cmt from 10,480-9880, contaminated cmt from 9880-9470. RD Schl. Ran in w/dia bit and drld cmt from 10,483-10,503 w/bit trying to plug. Pulled bit - indicated bit drld on iron. Ran in w/mill tooth bit and jk sub and resumed drlg. Background gas: 7 units.

Mud: (gradient .600) 11.0 x 46 x 7.4

3/18: 10,597/79/46/71. Drilling. Finished drlg w/mill tooth bit. Pulled out of hole and laid down jk sub (found several small pcs of iron in sub). Tripped in w/dia bit to shoe @ 10,503 and finished in hole. Background gas: 6 units. Trip gas: 30 units.

Mud: (gradient .593) 11.4 x 44 x 8.0

3/19: 10,708/79/47/111. Drilling. Background gas: 8 units. Connection gas: 30 units. MAR 19 1973

Mud: (gradient .620) 11.9 x 46 x 7.0

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

10,831/79/48/123. Drilling. Background gas: 5 units. Connection gas: 15 units. Downtime gas: 130 units

Mud: (gradient .675) 13.0 x 47 x 6.4 MAR 20 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

10,933/79/49/102. Drilling. Lost approx 70 bbls mud last 24 hrs. Background gas: 10 units. Connection gas: 50 units. MAR 21 1973

Mud: (gradient .710) 13.3 x 48 x 6.2 (6.6#/bbl LCM)

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

11,010/79/50/77. Drilling. Tripped for new bit @ 10,953. Changed stab. in BHA. Drlg break from 10,995-11,006 w/160 units gas. Background gas: 10 units. Connection gas: 40 units. Trip gas: 300 units.

Mud: (gradient .740) 14.3 x 47 x 6.2 (6.55#/bbl LCM)
(1% oil) MAR 22 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

11,100/79/51/90. Mixing and pmpg LCM. Lost full returns @ 11,100'. Ran mud over shaker for 13½ hrs to clean mud for coring. Mixed and pmpd LCM pills. Lost 340 bbls mud last 24 hrs. Background gas: 10 units. Connection gas: 70 units.

Mud: (gradient .740) 14.3 (16#/bbl fine walnut hulls)

MAR 23 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

3/24: 11,115/79/52/15. Drilling. Mixed and pmpd pills as follows: Pill #2: 15#/bbl med and 15#/bbl fine walnut hulls in 140 bbl pill. Regained partial returns. Pulled 7 stds to shoe. Pill #3: 17#/bbl med and 15#/bbl fine walnut hulls in 85 bbl pill. Let pill set 3 hrs. Lowered mud wt to 14.1 ppg. Losing mud. Mixed pill #4, regaining partial returns. Ran pipe to btm, hitting bridge @ 10,885. CO to 10,905 and went in hole to 11,100. Drld 3 hrs w/small mud loss. Drld and cond mud w/full returns. Lost approx 450 bbls mud. Background gas: 8 units. Short trip gas: 128 units. Mud: (gradient .690) 14.1 x 64 x 10.4 (17.6#/bbl LCM)

3/25: 11,183/79/53/68. Drilling. Lost circ @ 11,153. Sptd 60 bbl pill of 15#/bbl med and 12#/bbl fine walnut hulls. Pulled 15 stds and let set 3 hrs. Sptd 2nd pill after circ not regained which consisted of 170 bbls w/20#/bbl med and 12#/bbl fine walnut hulls. Ran to shoe and regained partial circ. Ran to btm and pmpd remainder of pill, regaining 60% circ w/full circ in 1 hr. Background gas: 12 units. Connection gas: 192 units. Lost 450 bbls mud last 24 hrs.

Mud: (gradient .690) 14.1 x 50 x 10.4 (10.65#/bbl LCM)

3/26: 11,339/79/54/156. Drilling. Lost 60 bbls mud last 24 hrs. Background gas: 12-30 units. Max fm gas: 102 units. Max connection gas: 350 units.

Mud: (gradient .730) 14.1 x 46 x 9.8 (10.65#/bbl LCM)
(1% oil)

MAR 26 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

11,463/79/55/124. Drilling. Lost est 4 bbls mud last 24 hrs. Background gas: 10-20 units. Connection gas: 30 units. Max fm gas: 80 units.

Mud: (gradient .730) 14.1 x 47 x 10.2 (25.5#/bbl LCM)
(1% oil)

MAR 27 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

11,588/79/56/125. Drilling. Drlg break from 11,575-11,582. Mud cutting from 14.1 to 12.4 ppg while drlg from 11,518-11,532 - indicated wtr, no gas. Background gas: 20-30 units. Max connection gas: 52 units. Max fm gas: 800 units.

Mud: (gradient .735) 14.2 x 48 x 8.8 (14#/bbl LCM)

MAR 28 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

11,679/79/57/91. Tripping. Background gas: 20-54
units. Connection gas: 60-105 units. Max fm gas:
800 units. MAR 29 1973
Mud: (gradient .785) 14.2 x 48 x 13 (15.9#/bbl LCM)

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

11,757/79/58/78. Drilling. Tripped for new bit @
11,679. Straightened kelly, ran in to shoe and RU same.
Finished in hole. Background gas: 48 units. Connection
gas: 94 units. Trip gas: 875 units. MAR 30 1973
Mud: (gradient .738) 14.2 x 48 x 9.2 (11.9#/bbl LCM)

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

3/31: 11,913/79/59/156. Drilling. Connection gas @
11,763 incr from 100 to 2000 units and background gas
from 50 to 650 units. Incr mud wt to 14.4 ppg. Presently
carrying 150-200 units background gas and 570 units con-
nection gas.

Mud: (gradient .748) 14.4 x 48 x 7.5 (11.6#/bbl LCM)

4/1: 12,063/79/60/150. Drilling. Connection gas @
11,925 incr from 550 to 1200 units and background gas
from 100 to 475 units. Incr mud wt to 14.5 ppg. Presently
carrying 60 units background gas and 500 units connection
gas.

Mud: (gradient .753) 14.5 x 49 x 7.5 (11.6#/bbl LCM)

4/2: 12,195/79/61/132. Drilling. Background gas: 120 units. Connection gas: 390 units. APR 2 1973

Mud: (gradient .753) 14.5 x 48 x 7.7 (9.7#/bbl LCM)

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

12,264/79/62/69. Drilling. Tripped for new bit @ 12,264.
Background gas: 60 units. Connection gas: 130 units.
Mud: (gradient .753) 14.5 x 47 x 6.8 (9.4#/bbl LCM)

APR 3 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

12,416/79/63/152. Drilling. Background gas: 70 units.
Connection gas: 700 units. Trip gas: 7500 units w/mud
cutting to 11.6 ppg. APR 4 1973

Mud: (gradient .753) 14.5 x 46 x 7.0 (8.45#/bbl LCM)

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

12,563/79/64/147. Drilling. Drlg break from 12,530-
12,532 w/gas incr from 20 to 55 units. Background
gas: 20 units. Connection gas: 85 units. APR 5 1973
Mud: (.753) 14.5 x 48 x 6.0 (6.75#/bbl LCM)

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

12,600/79/65/37. Logging. Short tripped to shoe and circ for logs. Made SLM out of hole, no correction. RU Schl and ran BHCS-GR w/cal from 12,612-10,503 - tool failed. Reran log, OK. Background gas: 10 units. Connection gas: 60 units. Short trip gas: 350 to 1100 units.
Mud: (.758) 14.6 x 48 APR 6 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
7" csg @ 10,503'

4/7: 12,600/79/66/0. Circ and cond hole. Ran Neutron Proximity log from 12,610 (logger's TD) to 10,503 - tool dragging; could not get good logs. Ran DP and circ and cond mud. Chained out to shoe and finished out of hole. Went in hole w/Sonic - tool still dragging; could not read logs. Ran DP to 11,000 and cond mud. Added 5#/bbl Super Drill to mud system.

Mud: (.759) 14.6 x 49 x 6.3

4/8: 12,600/79/67/0. Circ hole for logs. Cond hole @ 11,000, 11,500, 12,000 and 12,600. Cond mud and circ hole. Ran Sonic-GR w/cal - cal OK, remainder of log no good. Ran BHA w/DOT jars, hitting tight spot @ 12,480. Reamed hole and circ for logs. Trip gas: 5500 units w/ mud cutting from 14.6 to 12.9 ppg.

Mud: (.759) 14.6 x 48 x 6.3

4/9: 12,600/79/68/0. Cementing liner. Ran BHCS-GR w/o cal and CNL/FDC from 12,600-10,503. Circ 5 hrs. RU and ran liner.

Mud: (.759) 14.6 x 48 x 6.3

Correction to 4/6/73 report: Did not rerun BHCS-GR as reported. Ran DIL after BHCS tool failed.

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
5" liner @ 12,600'

12,600/79/69/0. WOC. Ran 54 jts 5", 18#, N-80 SFJ liner w/top of liner hanger @ 10,260, btm of liner @ 12,600 and FC @ 12,470. Cmtd w/300 gal mud sweep ahead of 270 cu ft Class "G" w/2% gel and 1% D-31 (slurry 15 ppg). Displaced and bumped plug w/115 bbls mud w/2500 psi. Bled back 1 bbl. CIP @ 7:20 AM, 4/9. Top of cmt @ 10,240.

Mud: (.754) 14.5 x 45 APR 10 1973

Correction to 4/9 report: Ran Neutron Density log rather than Neutron Proximity log as reported.

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
5" liner @ 12,600'

12,600/79/70/0. Tripping. Press tested liner lap w/ 1400 psi for 15 min, OK. Picked up 2-7/8" DP and drld on packing in liner hanger 4-3/4 hrs. Circ 1 hr.
Mud: (.759) 14.6 x 43 x 5.8 (5#/bbl LCM) APR 11 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
5" liner @ 12,600'

12,600/79/71/0. Pulling fish. Ran overshot w/grapple and fished. Pulled w/no recovery. Indication of overshot stopping @ liner top w/grapple not over fish sufficient to engage. Ran 4" x 3½" dimple socket to top of 3½" fish @ 12,260, top of 5" liner. Fished and pulled fish which consisted of 4-1/8" Servco mill, stab, csg scraper and 3½" OD x 2' long x-over sub.
Mud: (.759) 14.6 x 43 x 5.8 (5#/bbl LCM) APR 12 1973

Shell-Birch 1-27B5
(D) Brinkerhoff #47
12,600' Wasatch Test
5" liner @ 12,600'

12,600/79/72/0. Tripping. DO packing, FC and cmt. Circ hole and tested liner and csg to 1400 psi for 15 min, OK.
Mud: (.754) 14.5 x 48 APR 13 1973

Shell-Birch 1-27B5
(D)
12,600' Wasatch Test
5" liner @ 12,600'

4/14: 12,600/79/73/0. PB 12,538. Laying down DP. Ran M&M inflow test tool to 10,200. Displaced mud @ 10,000' w/wtr. Set tool, held 3300 psi differential for 30 min, OK. Bled off wtr and tested as follows:

Tool Setting	Depth	Press	Min
	8600'	2700	15
	6450'	3400	15
	4300'	4100	15
	2150'	4200	1

APR 16 1973

All tests OK. Laid down test tool and started laying down DP.

Mud: (.754) 14.5 x 48

4/15: 12,600/79/74/0. Laying down kelly and swivel. Changed rams, broke down kelly, loaded out DP and rental eqmt, nipped down BOP's, set BPV and changed liner in pumps.

Mud: (.754) 14.5 x 48

4/16: TD 12,600. PB 12,538. RDRT. Released rig @ 5:30 PM, 4/15/73. (RDUFA)

Shell-Birch 1-27B5
(D)
12,600' Wasatch Test
5" liner @ 12,600'

TD 12,600. PB 12,538. (RRD 4/16/73). WO completion. Cmtd 13-3/8" x 9-5/8" annulus w/300 sx Class "G". Max press 275 psi. (RDUFA) MAY 9 1973

Shell-Birch 1-27B5
(D) Western Oilwell
12,600' Wasatch Test
5" liner at 12,600'

TD 12,600. PB 12,538. (RRD 5-9-73)
5/21: MI & RU Western Oilwell Service.
5/22: RU Workover Rig. MAY 22 1973

Shell-Birch 1-27B5
(D) Western Oilwell
12,600' Wasatch Test
5" liner at 12,600'

TD 12,600. PB 12,538. Picking up new tbg. RU.
Removed tree. Installed BOP's. Tested to 5,000
psi. Picked up 4 1/8" bit, 2290' 2 7/8" EUE work
string, 7" Bkr scraper, and WO tbg. MAY 23 1973

Shell-Birch 1-27B5
(D) Western Oilwell
12,600' Wasatch Test
5" liner at 12,600'

TD 12,600. PB 12,538. Pulling tbg. Ran bit to
12,538. Circ out 14.5# mud as follows: pumped 250
gal BJ mud sweep, followed by 500 BW, 150 gal BJ
mud sweep followed by 600 BW. Spotted 40 bbls 2%
salt water in liner. SI and observed for flowback.
Press tested to 4500 psi, ok. MAY 24 1973

Shell-Birch 1-27B5
(D) Western Oilwell
12,600' Wasatch Test
5" liner at 12,600'

TD 12,600. PB 12,538. Picking up 5 1/2" heat string.
Pulled tbg and laid down bit, scraper, and 2290' of
work string. RU OWP and ran CBL, VDL and PDC logs
from 12,520. Ran all logs w/3,000 psi on csg. Cmt
top at 9050. Cem bonding good to fair. Set Bkr
Model "D" pkr w/flapper top at 10,244. RD OWP. MAY 25 1973

Shell-Birch 1-27B5
(D)
12,600' Wasatch Test
5" liner @ 12,600'

TD 12,600. PB 12,538.
5/26: Running prod eqmt. Picked up and ran 71 jts
5 1/2", 14#, K-55 heat string w/Type I special clearance
cplgs (2999') w/tail @ 3017. Changed rams in BOP,
removed BOP, installed 10" 5000 psi x 6" 5000 psi tbg
spool and installed BOP, testing to 5000 psi. Started
running prod eqmt, testing to 7500 psi.
5/27: Running prod eqmt. Press'd tbg - top mandrel
leaking. Pulled tbg to 4th mandrel, finding leak in
collar - factory end. Replaced collar and reran tbg.
Tbg design as follows: Baker Model "C" expendable
plug holder w/Model "B" pushout plug in place - shop
tested to 7500 psi w/tail @ 10,277, 30' 2-7/8" NU 10rd
N-80 non-perf'd prod tube, Baker anchor tbg seal
assembly w/2 seal units, Baker Model "EL" on-off
connector w/Otis 2.313" "N" nipple w/2.255" no-go w/
top @ 10,238, 4' sub w/centralizer, 3 jts tbg, mandrel
#68H057 w/top @ 10,134, 14 jts tbg, mandrel #42H057 w/
top @ 9692, 23 jts tbg, mandrel #23H058 w/top @ 8969,
24 jts tbg, mandrel #11H058 w/top @ 8215, 39 jts tbg,
mandrel #10H058 w/top @ 6994, 54 jts tbg, mandrel #6H058
w/top @ 5305, 77 jts tbg, mandrel #2H058 w/top @ 2899.
(All tbg and subs EUE 8rd, N-80, 2-7/8" and all mandrels
Camco KBMG w/dummies.)
(Continued)

5/28: Reports discontinued. Finished running prod eqmt. Ran total of 7 mandrels, 326 jts tbg and 4 subs. Spaced out tbg, unlatched on-off connector. Circ fresh trtd wtr down csg and sptd 2% salt wtr in tbg. All wtr heated to 100°. Latched onto on-off connector. Landed tbg w/3000# set-down wt. Installed BPV, removed BOP stack and installed and nipped up 10,000# frac tree, testing to 10,500#, OK. Removed BPV. Released rig @ 5 PM, 5/27/73. (RDUFA). MAY 29 1973

Shell-Birch 1-27B5
(D)
12,600' Wasatch Test
5" liner @ 12,600'

TD 12,600. PB 12,538. (RRD 5/29/73). Prep to AT. MI&RU OWP and perf'd one hole each unidirectionally using magnetic 2" steel tube carrier gun w/JRC-DP Sidewinder charges. Depths to 10,503 refer to CNL-FDC log dated 3/11/73 and depths below 10,503 refer to CNL-FDC log dated 4/8/73. Run #1: 10,393, 10,394, 10,395, 10,449, 10,450, 10,454, 10,455, 10,481, 10,482, 10,483, 10,484, 10,485, 10,486, 10,487, 10,488, 10,539, 10,540, 10,541, 10,542, 10,543, 10,590, 10,591, 10,592, 10,593, 10,594, 10,595, 10,596, 10,611, 10,612, 10,709, 10,710, 10,711, 10,745, 10,746, 10,747, 10,800, 10,801, 10,802, 10,803, 10,804, 10,825. Beginning and ending press 850 psi. Run #2: 10,895, 10,896, 10,897, 10,898, 10,911, 10,912, 10,922, 11,003, 11,004, 11,005, 11,006, 11,007, 11,008, 11,009, 11,010, 11,011, 11,242, 11,243, 11,412, 11,413, 11,420, 11,421, 11,422, 11,527, 11,581, 11,582, 11,583, 11,584, 11,585, 11,586, 11,587, 11,588, 11,925, 11,926, 11,953, 11,954, 11,955, 11,956, 12,040, 12,041, 12,042. Press from 1200 to 1400 psi. Run #3: 12,043, 12,044, 12,045, 12,046, 12,047, 12,290, 12,291, 12,292, 12,293, 12,294, 12,295, 12,296, 12,297, 12,298, 12,299, 12,300, 12,465, 12,466, 12,467, 12,468, 12,469, 12,470, 12,471, 12,472, 12,504, 12,505, 12,506, 12,507, 12,508, 12,509, 12,510, 12,511, 12,512. Press from 2750 to 2600 psi. RD OWP. AUG 15 1973

Shell-Birch 1-27B5
(D)
12,600' Wasatch Test
5" liner @ 12,600'

TD 12,600. PB 12,538 Prep to flow to pit. TP 2800 psi on 8/15. AT gross perms 10,393-12,512 w/35,000 gal 15% HCl. Each 1000 gal 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# OS-160 Button Unibeads. Flushed w/4500 gal FW w/each 1000 gal containing 165# NaCl and 3 gal G-10. Pmpd acid as follows: 25 bbls acid, dropped one 7/8" RCN ball sealer w/1.24 gr, pmpd 7 bbls acid. Repeated one ball sealer and 7 bbls acid 111 times. Pmpd 24 bbls acid and 107 bbls flush. Max press 7350 psi, avg 6200 psi, min 5100 psi. Max rate 8 B/M, avg 8 B/M, min 7½ B/M. ISIP 4000 psi decr to 3900 psi in 5 min to 3700 psi in 10 min to 3350 psi in 15 min to 3100 psi in 20 min. Breaks up to 800 psi. RD B-J. RU OWP. Ran GR log from 12,520 to 10,200. Log indicated all zones taking fluid. RD OWP. AUG 16 1973

Shell-Birch 1-27B5
(D)
12,600' Wasatch Test
KB 6081'
5" liner @ 12,600'

TD 12,600. PB 12,538. Flowing. Flowed to pit 4½ hrs on 64/64" chk w/700-800 psi FTP. Flwd est 600 BO and 300 BW w/GOR of 700. Last hr flwd 200 BO and 10 BW w/GOR of 700 on 64/64" chk w/TP surging from 700-800 psi. SITP 3100 psi incr to 4300 psi in 45 min. Turned to tank battery at 3 PM, 8/16. On 12-hr test, flwd 624 BO and 4 BW w/GOR of 750 on 12/64" chk w/3800 psi FTP. AUG 17 1973

Shell-Birch 1-27B5
(D)
12,600' Wasatch Test
KB 6081'
5" liner @ 12,600'

TD 12,600. PB 12,538. Flowing. On 24-hr tests, flwd as follows: AUG 20 1973

Report Date	BO	BW	MCF Gas	Chk	FTP	CP
8/18	878	0	891	10/64"	4000	0
8/19	747	3	468	10/64"	3800	0
8/20	766	0	529	10/64"	3500	0

Shell-Birch 1-27B5
(D)
12,600' Wasatch Test
KB 6081'
5" liner @ 12,600'

TD 12,600. PB 12,538. Flowing. On 24-hr test, flwd 811 BO, no wtr and 483 MCF gas on 10/64" chk w/3600 psi FTP and zero CP. AUG 21 1973

Shell-Birch 1-27B5
(D)
12,600' Wasatch Test
KB 6081'
5" liner @ 12,600'

TD 12,600. PB 12,538. Flowing. On 24-hr test, flwd 720 BO, no wtr and 468 MCF gas on 10/64" chk w/3500 psi FTP and zero CP. AUG 22 1973

Shell-Birch 1-27B5
(D)
12,600' Wasatch Test
KB 6081'
5" liner @ 12,600'

TD 12,600. PB 12,538. Flowing. On 24-hr test, flwd 765 BO, no wtr and 584 MCF gas on 11/64" chk w/3600 psi FTP and zero CP. AUG 23 1973

Shell-Birch 1-27B5
(D)
12,600' Wasatch Test
KB 6081'
5" liner @ 12,600'

TD 12,600. PB 12,538. Flowing. On 24-hr test, flwd 923 BO, no wtr and 574 MCF gas on 11/64" chk w/3500 psi FTP and zero CP. AUG 24 1973

(Continued)

Elev: 6062 GL, 6081 KB.

Log Tops: TGR ₃	8,330 (-2249)
UPPER WASATCH TRANSITION	9,910 (-3829)
FLAGSTAFF	11,236 (-5155)

This well was drilled for routine development. AUG 31 1973
FINAL REPORT.

CASING AND CEMENTING

Field Altamont Well Birch 1-27B5

Job: 13 3/8 " O.D. Casing/Liner Ran to 300 feet (KB) on 2-1, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						KB	CHF
<u>8</u>	<u>68#</u>				<u>309.04</u>	<u>CHF</u>	<u>300</u>

8 jts Total

Casing Hardware:

Float shoe and collar type Hal guide shoe

Centralizer type and product number _____

Centralizers installed on the following joints _____

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 _____ bbls, other _____ Volume _____ bbls

First stage, type and additives 400 sx API Class "G" cmt, 3% CaCl₂

_____ . Weight _____ lbs/gal, yield _____

ft³/sk, volume _____ sx. Pumpability _____ hours at _____ °F.

Second stage, type and additives _____

_____ . Weight _____ lbs/gal, yield _____

ft³/sk, volume _____ sx. Pumpability _____ hours at _____ °F.

Cementing Procedure:

Rotate/reciprocate _____

Displacement rate _____

Percent returns during job _____

~~Bumped plug~~ CIP 12:10 AM/PM with _____ psi. Bled back _____ bbls. Hung csg

with _____ lbs on slips.

Remarks:

Drilling Foreman _____

Date _____

CASING AND CEMENTING

Field Altamont Well Birch 1-27B5
Job: 9 5/8 " O.D. Casing/Liner. Ran to 6990 feet (KB) on 2-20, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						KB	CHF
161	40#	K-55	ST&C			CHF	6990

161 jts Total

Casing Hardware:

Float shoe and collar type Hal diff fill shoe and collar
Centralizer type and product number _____
Centralizers installed on the following joints 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 _____ bbls, other _____ Volume _____ bbls
First stage, type and additives 550 cu ft BJ lite . Weight _____ lbs/gal, yield _____
ft³/sk, volume _____ sx. Pumpability _____ hours at _____ °F.
Second stage, type and additives 300 cu ft Class "G" . Weight _____ lbs/gal, yield _____
ft³/sk, volume _____ sx. Pumpability _____ hours at _____ °F.

Cementing Procedure:

Rotate/reciprocate _____
Displacement rate _____
Percent returns during job _____
Bumped plug at _____ AM/PM with 1800 psi. Bled back _____ bbls. Hung csg
with 220,000 lbs on slips.

Remarks:

Displaced w/rig pump. Good returns during displacement with partial
returns during mixing.

Drilling Foreman _____
Date _____

CASING AND CEMENTING

Field Altamont Well Birch 1-27B5

Job: 7 " O.D. Casing/Liner Ran to 10,503 feet (KB) on 2-13, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
						KB	CHF
<u>236</u>	<u>28#</u>	<u>S-95</u>	<u>ST&C</u>			<u>CHF</u>	<u>10,503</u>

236 jts Total

Casing Hardware:

Float shoe and collar type _____
 Centralizer type and product number _____
 Centralizers installed on the following joints _____
 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 _____ bbls, other _____ Volume _____ bbls
 First stage, type and additives 374 cu ft BJ litewt cmt . Weight 12.4 lbs/gal, yield _____
 ft³/sk, volume _____ sx. Pumpability _____ hours at _____ °F.
 Second stage, type and additives 146 CF Neat cem . Weight 15.9 lbs/gal, yield _____
 ft³/sk, volume _____ sx. Pumpability _____ hours at _____ °F.

Cementing Procedure:

Rotate/reciprocate _____
 Displacement rate _____
 Percent returns during job _____
 Bumped plug at _____ AM/PM with _____ psi. Bled back _____ bbls. Hung csg
 with _____ lbs on slips.

Remarks:

Displaced w/393 bbls mud. Had 100% circ while mixing cmt, 90% circ
while displacing first 360 bbls mud and no circ w/last 33 bbls mud.

Drilling Foreman _____
 Date _____

CASING AND CEMENTING

Field Altamont Well Birch 1-27B5

Job: 5 " O.D. ~~Casing~~/Liner. Ran to 12,600 feet (KB) on 4-9, 1973

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

Top of liner hanger 10,260

54 18# N-80 SFJ 12,600

54 jts Total

Casing Hardware:

Float shoe and collar type FC at 12,470

Centralizer type and product number _____

Centralizers installed on the following joints _____

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 _____ bbls, other 300 gal mud sweep _____ bbls

First stage, type and additives 270 cu ft Class "G", 2% gel, 1% D-31

_____ . Weight 15 lbs/gal, yield _____

ft³/sk, volume _____ sx. Pumpability _____ hours at _____ °F.

Second stage, type and additives _____ . Weight _____ lbs/gal, yield _____

ft³/sk, volume _____ sx. Pumpability _____ hours at _____ °F.

Cementing Procedure:

Rotate/reciprocate _____

Displacement rate _____

Percent returns during job _____

Bumped plug at 7:20 AM/PM with 2500 psi. Bled back 1 bbls Hung csg

with _____ lbs on slips.

Remarks:

Drilling Foreman _____

Date _____

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 80202		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 1620' FNL & 1306' FEL Section 27		8. FARM OR LEASE NAME Birch	
14. PERMIT NO.		9. WELL NO. 1-27B5	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6081 KB		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/4 NE/4 Section 27-T2S-R5W	
		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"/>	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 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.)*

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Oct. 24, 1976

BY: P. H. Ansell

See attachment



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

SIGNED J. W. Brunel TITLE Div. Opers. Engr. DATE 10/15/76

(This space for Federal or State office use)

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

cc: USGS w/attachment

ACID TREAT

ALTAMONT

SHELL OIL COMPANY

LEASE BIRCH

WELL NO. 1-27B5

DIVISION WESTERN

ELEV 6081 KB

FROM: 10/14/76

COUNTY DUCHESNE

STATE UTAH

UTAH

ALTAMONT

Shell-Birch 1-27B5

(AT)

"FR" TD 12,600. PB 12,538. Nowsco pmp'd warm wtr down CT. Ran CT to 10,268. BJ pmp'd 3000 gals 7-1/2% HCl across perf'd interval 10,393-12,512. Displ'd acid w/prod wtr. Pulled CT.

FINAL REPORT

OCT 14 1976

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Patented
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80290		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1620' FNL & 1306' FEL Section 27		8. FARM OR LEASE NAME Birch
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6081 KB	9. WELL NO. 1-27B5
		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/4 NE/4 Section 27-T2S-R5W
		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:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

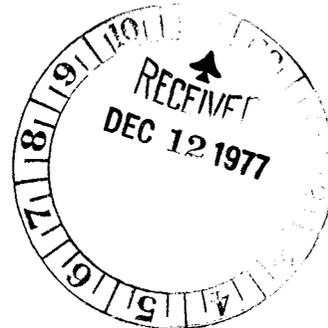
ALTERING CASING

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.)*

See attachment



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

SIGNED

R. Plautky

TITLE

Div. Oper. Engr.

DATE

12/7/77

(This space for Federal or State office use)

APPROVED BY

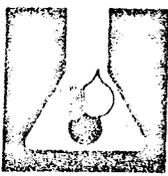
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

cc: USGS w/attachment

*See Instructions on Reverse Side



LITE RESEARCH LABORATORIES

P.O. Box 119

Fort Duchesne, Utah 84026

(801) 722-2254

LABORATORY NUMBER W-2474
 SAMPLE TAKEN _____
 SAMPLE RECEIVED 7-11-75
 RESULTS REPORTED 7-14-75

Sec. 27-25-5W

SAMPLE DESCRIPTION
 COMPANY Shell Oil Co. LEASE Birch FIELD NO. _____
 FIELD _____ COUNTY _____ STATE Utah WELL NO. 1-27B5
 SAMPLE TAKEN FROM _____
 PRODUCING FORMATION Wasatch TOP _____
 REMARKS _____

SAMPLE TAKEN BY _____

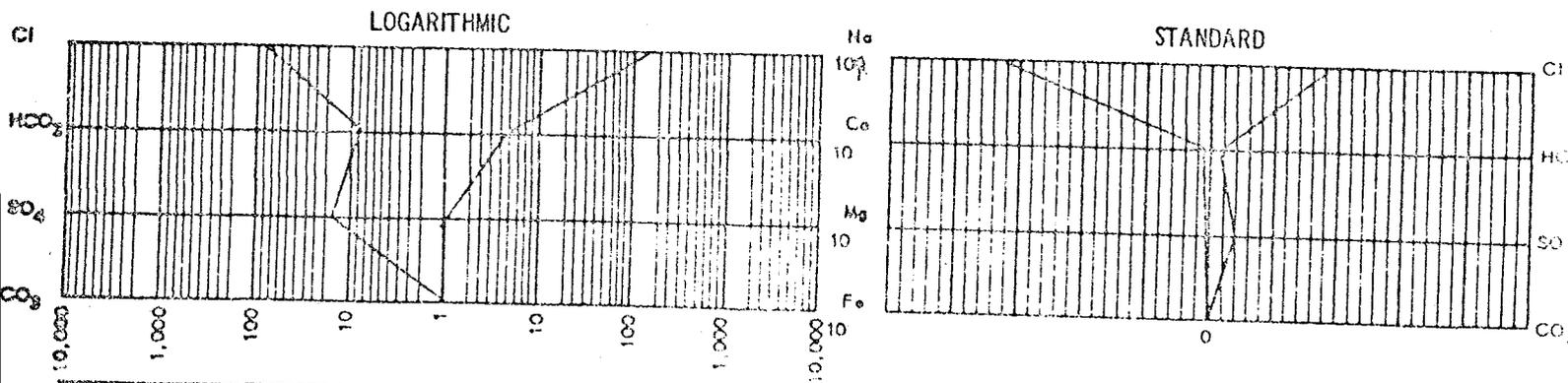
CHEMICAL AND PHYSICAL PROPERTIES

SPECIFIC GRAVITY @60/60° F. 1.0053 pH 8.04 RES. 0.80 OHM METERS @ 77° F

TOTAL HARDNESS 292.51 mg/L as CaCO₃ TOTAL ALKALINITY 540.0 mg/L as CaCO₃

CONSTITUENT	MILLIGRAMS PER LITER mg/L	MILLEQUIVALENTS PER LITER MEQ/L		REMARKS
CALCIUM - Ca ++	101.0	5.05		
MAGNESIUM - Mg ++	9.6	0.79		
SODIUM - Na +	3800.0	165.22		
BARIUM (INCL. STRONTIUM) - Ba ++	0	0		
TOTAL IRON - Fe ++ AND Fe +++	0.45	0.02	171.08	
BICARBONATE - HCO ₃ ⁻	540.0	8.85		
CARBONATE - CO ₃ ⁻⁻	0	0		
SULFATE - SO ₄ ⁻⁻	900.0	18.75		
CHLORIDE - CL ⁻	3348.7	94.33	121.93	
TOTAL DISSOLVED SOLIDS	6240			

MILLEQUIVALENTS PER LITER



ANALYST _____

CHECKED _____

CO & AT

ALTAMONT

SHELL OIL COMPANY

LEASE

BIRCH

WELL NO.

1-27B5

DIVISION

WESTERN

ELEV

6081 KB

FROM: 8/19 - 10/19/77

COUNTY

DUCHESNE

STATE

UTAH

UTAHALTAMONT

Shell-Birch 1-27B5

(CO & AT)

"FR" TD 12,600. PB 12,538. AFE #425097 & 425096 provide funds to clean out, acidz & retire 5-1/2 heat string. Bled csg to bty. MI&RU CWS #25 & removed WH. Installed & tested BOP. Was unable to release Mdl D pkr. SI. 8/18 Attempted to release pkr w/o success. RD 8 hrs for repairs. Released on-off tool & started out of hole w/tbg. Tbg full of wax. Pmp'd 180 BW down tbg. SD for night.

AUG 19 1977

Shell-Birch 1-27B5

(CO & AT)

TD 12,600. PB 12,538. 8/19: 150 psi on tbg. Pulling tbg out of hole. Tested 10" BOP. Attempted to release 4-1/2" heat string from donut without success. Pumped hot wtr down back side 5-1/2" tres. 8/20: 200 psi on well. RU casing pulling crew. Pulled 5-1/2" heat string. Installed 6" BOP. RIH w/6-1/8" mill shoe, 1 jt washover pipe. **AUG 22 1977**

Shell-Birch 1-27B5

(CO & AT)

TD 12,600. PB 12,538. No report **AUG 23 1977**

Shell-Birch 1-27B5

(CO & AT)

TD 12,600. PB 12,538. 200 psi on tbg. Attempted to reverse circ, pumped 1600 bbls prod wtr unable to get circ. Started drlg on Model "D" pkr. **AUG 24 1977**

Shell-Birch 1-27B5

(CO & AT)

TD 12,600. PB 12,538. 50 psi on tbg. Started drlg. on Model "D" pkr. Drilled thru. Pushed pkr down 20'. Reversed circ 90 bbls prod wtr. POOH. RIH w/overshot & washover pipe. SI **AUG 25 1977**

Shell-Birch 1-27B5

(CO & AT)

AUG 26 1977

TD 12,600. PB 12,538. 0 psi on tbg. Latched onto fish. Fish drug from 10' then came free. POOH. Had complete seal assembly. Picked up packer plucker, jars and bumper sub. Ran in hole. SI.

Shell-Birch 1-27B5

(CO & AT)

AUG 29 1977

TD 12,600. PB 12,538. 8/26: 0 psi on tbg. Stung into pkr w/ pkr plucker. Pulled tbg. Pkr dragging. RIH w/4-1/8" mill shoe. Tagged bridge @ 12,250'. Obtained circ after 80 bbls pumped. Circ 60', 90 bbls. Pulled to 10,264'. SI. Lost 200 while circ. 8/27: 200 psi on tbg. Tagged bridge @ 12,470'. Went to 12,536'. Circ hole. POOH. SI.

Shell-Birch 1-27B5
(CO & AT)

AUG 30 1977

TD 12,600. PB 12,538. 250 psi on tbg. Finished pulling out of hole. Found wax cutting tool & pkr debris in plugged wash pipe. RIH w/notched collars to 12,500'+ Spotted 5000 gal acid as follows: Pumped 20 bbls prod wtr, 5000 gal 15% acid containing 6 gals/1000 gal of C-15, 2 gals/1000 gal J-22 & 50#/1000 gal citric acid. Flushed w/59 bbls prod wtr. Layed down 2300' of tbg. SI.

Shell-Birch 1-27B5
(CO & AT)

TD 12,600. PB 12,538. TP 200#. Pmpd 200 BW down tbg, then pulled tbg. RIH w/Bkr Mdl C full bore pkr, unloading sub & 8 gas mndrls w/valves in place. Set pkr @ 10,246 w/14,000# tension, +45 above unloading sub & gas mndrels @ foll'g depths: 10,199, 9696, 9189, 8684, 8057, 6956, 5265 & 2895. Removed BOP & installed 5000# tree. Hooked up flwline & turned well over to prod.

AUG 31 1977

Shell-Birch 1-27B5
(CO & AT)

TD 12,600. PB 12,538. Gauge not available.

SEP 01 1977

Shell-Birch 1-27B5
(CO & AT)

TD 12,600. PB 12,538. Gauge not available.

SEP 02 1977

Shell-Birch 1-27B5
(CO & AT)

TD 12,600. PB 12,538. On 24-hr test, gas lifted 41 BO, 0 BW, 853 MCF gas w/1250 psi inj press.

SEP 06 1977

Shell-Birch 1-27B5
(CO & AT)

TD 12,600. PB 12,538. 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>
9/2	24	176	150	662	1200
9/3	24	0	403	670	1200
9/4	24	44	181	670	320
9/5	24	34	146	670	1200

SEP 07 1977

Shell-Birch 1-27B5
(CO & AT)

TD 12,600. PB 12,538. On 24-hr test, gas lifted 41 BO, 145 BW, 670 MCF gas w/1200 psi inj press.

SEP 08 1977

Shell-Birch 1-27B5
(CO & AT)

TD 12,600. PB 12,538. On 24-hr test, gas lifted 26 BO, 149 BW, 843 MCF gas w/1200 psi inj press.

SEP 09 1977

Shell-Birch 1-27B5
(CO & AT)

TD 12,600. PB 12,538. On 24-hr test, gas lifted 169 BO, 150 BW, 843 MCF gas w/1200 psi inj press.

SEP 10 1977

Shell-Birch 1-27B5
(CO & AT)

TD 12,600. PB 12,538. 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>
9/9	24	0	250	662	1200
9/10	24	0	316	662	1200
9/11	24	103	45	662	1200

SEP 13 1977

Shell-Birch 1-27B5
(CO & AT)

TD 12,600. PB 12,538. On 24-hr test, gas lifted 85 BO, 93 BW, 662 MCF gas w/1200 psi inj press.

SEP 14 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 0 BO, 302 BW, 661 MCF gas w/1200 psi inj press. SEP 15 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 1 BO, 124 BW, 661 MCF gas w/1200 psi inj press. SEP 16 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 0 BO, 139 BW, 755 MCF gas w/1200 psi inj press. SEP 19 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test 9/16, gas lifted 0 BO, 105 BW, 674 MCF gas w/1210 psi inj press. On 24-hr test 9/17, gas lifted 0 BO, 0 BW, 0 MCF gas w/1210 psi inj press. SEP 20 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test 9/18, gas lifted 0 BO, 273 BW, 685 MCF gas w/1240 psi inj press. On 24-hr test 9/19, gas lifted 10 BO, 0 BW, 0 MCF gas w/1240 psi inj press. SEP 21 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 52 BO, 145 BW, 685 MCF gas w/1240 psi inj press. SEP 22 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 179 BO, 102 BW, 685 MCF gas w/1230 psi inj press. SEP 23 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 57 BO, 105 BW, 831 MCF gas w/1220 psi inj press. SEP 26 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
9/23	24	0	354	853	1220
9/24	24	0	150	856	1220
9/25	24	0	158	708	1230

SEP 27 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 0 BO, 115 BW, 708 MCF gas w/1230 psi inj press. SEP 28 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 0 BO, 101 BW, 708 MCF gas w/1230 psi inj press. SEP 29 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 0 BO, 380 BW, 708 MCF gas w/1240 psi inj press. SEP 30 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 0 BO, 100 BW, 708 MCF gas w/1250 psi inj press. OCT 03 1977

Shell-Birch 1-27B5 (CO & AT) TD 12,600. PB 12,538. On 24-hr test 9/30, gas lifted 0 BO, 123 BW, 708 MCF gas w/1240 psi inj press. On 24-hr test 10/1, gas lifted 0 BO, 100 BW, 708 MCF gas w/1240 psi inj press. OCT 04 1977

Shell-Birch 1-27B5
(CO & AT) TD 12,600. PB 12,538. On 24-hr test 10/2, gas lifted 0 BO, 175 BW, 37 MCF gas w/1230 psi inj press. On 24-hr test 10/3, gas lifted 0 BO, 157 BW, 629 MCF gas w/1240 psi inj press. OCT 05 1977

Shell-Birch 1-27B5
(CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 13 BO, 159 BW, 629 MCF gas w/1230 psi inj press. OCT 06 1977

Shell-Birch 1-27B5
(CO & AT) TD 12,600. PB 12,538. 10/5 Acdz'd well to remove scale bldup. SD Ajax compressor, RU BJ & bullheaded 3000 gals 15% acid into frm. Max pmp press 350 psi. Fin'd pmp'g & well on vac. Pmp'd 1680 gals dbl-inh'd wt'd acid (liner vol). Displ'd tbg w/prod wtr & RD BJ. SI well morning of 10/6/77. OCT 07 1977

Shell-Birch 1-27B5
(CO & AT) TD 12,600. PB 12,538. SI. OCT 10 1977

Shell-Birch 1-27B5
(CO & AT) TD 12,600. PB 12,538. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
10/7	24	60	48	629	1230
10/8	24	0	475	629	1220
10/9	4	0	27	629	1220

OCT 11 1977

Shell-Birch 1-27B5
(CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 0 BO, 111 BW, 485 MCF gas w/1220 psi inj press. OCT 12 1977

Shell-Birch 1-27B5
(CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 0 BO, 14 BW 474 MCF gas w/1230 psi inj press. OCT 13 1977

Shell-Birch 1-27B5
(CO & AT) TD 12,600. PB 12,538. On 24-hr test, gas lifted 0 BO, 254 BW, 479 MCF gas w/1230 psi inj press. OCT 14 1977

Shell-Birch 1-27B5
(CO & AT) TD 12,600. PB 12,538. SI. OCT 17 1977

Shell-Birch 1-27B5
(CO & AT) TD 12,600. PB 12,538. SI. OCT 18 1977

Shell-Birch 1-27B5
(CO & AT) TD 12,600. PB 12,538. On 8/27 rig CO prod liner to 12,535. 8/29 rig spt'd 5000 gals 15% acid. Well returned to Ajax gas lift 9/1. For month of Sept after CO & acid job, well prod an avg of 21 BO/D, 163 BW/D w/594 inj gas & 78 sales gas. 10/5 Bullheaded 3000 gals 15% acid into frm & foll'd w/1680 gals wt'd acid. Well returned to prod 10/6 & has not responded to acid trtmt. OCT 19 1977
FINAL REPORT

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 1620' FNL & 1306' FEL Section 27		8. FARM OR LEASE NAME Birch
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6081 KB	9. WELL NO. 1-27B5
		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/4 NE/4 Section 27-T2S-R5W
		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"/>	(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.)*

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: March 10, 1978
BY: P. L. Plaudy

See attachment

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

SIGNED P. L. Plaudy TITLE Div. Opers. Engr. DATE 3/7/78

(This space for Federal or State office use)

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

cc: Utah USGS w/attachment

PERFORATE & ACID TREAT

SHELL OIL COMPANY

FROM: 1/24 - 2/28/78

LEASE BIRCH
 DIVISION WESTERN
 COUNTY DUCHESNE

ALTAMONT
 WELL NO. 1-27B5
 ELEV 6081 KB
 STATE UTAH

UTAH
ALTAMONT

Shell-Birch 1-27B5
 (Perf & AT)

"FR" TD 12,600. PB 12,536. AFE #426767 provides funds to perf & acidz well. Bled csg to bty. MI&RU WOW #19 & fin'd bleeding csg off. Pmp'd 50 BW down tbg; tbg dead. Removed WH & installed & tested BOP's. SI overnight.

JAN 24 1978

Shell-Birch 1-27B5
 (Perf & AT)

TD 12,600. PB 12,536. Pmp'd 100 bbls down csg & tbg. Released Bkr 7" full bore & attempted to rev circ w/800 bbls prod wtr w/o success. POOH & LD 8 gas mndrls. RIH w/tbg. PU 2300' 2-7/8 tbg & tag'd PBTB @ 12,536.

JAN 25 1978

Shell-Birch 1-27B5
 (Perf & AT)

TD 12,600. PB 12,536. Perf'g. Pmp'd 100 BW down tbg. LD 2300' 2-7/8 tbg & POOH w/tbg. SI for night.

JAN 26 1978

Shell-Birch 1-27B5
 (Perf & AT)

TD 12,600. PB 12,536. Pmp'd 200 bbls hot prod wtr down csg. MI&RU OWP & made 10 perf'g runs using a 3-1/2" hollow steel carrier gun. Perf'g details to follow. SI well for night. Prep to acidz.

JAN 27 1978

Shell-Birch 1-27B5
 (Perf & AT)

TD 12,600. PB 12,536. 1/27 12-hr SIP 100 psi. Pmp'd 200 bbls hot prod wtr down csg. Made 5 final perf'g runs w/3-1/8" hollow steel carrier gun. Perf'd as follows:
 Run #1 - perf'd 3 holes/ft @ 14,486-87, 12,481-82, 12,454-55, 12,435-36, 12,440-41, 12,417-18, 12,413-14, 12,409-10, 12,404-05, 12,401-02, 12,396-97, 12,390-91, 12,387-88, 12,375-76 & 12,361-62. FL 5000'; perf'd 15' & 45 holes.
 Run #2 - perf'd 3 holes/ft @ 12,355-56, 12,351-52, 12,339-40, 12,323-24, 12,309-10, 12,304-05, 12,247-48, 12,239-40, 11,236-37, 12,231-32, 12,219-20, 12,210-11, 12,201-02, 12,197-98, 12,190-91. FL 4500'; perf'd 15' & 45 holes.
 Run #3 - perf'd 3 holes/ft @ 12,168-69, 12,142-43, 12,132-33, 12,111-12, 12,055-56, 12,051-52, 11,983-84, 11,977-78, 11,971-72, 11,935-36, 11,930-31, 11,909-10, 11,903-04, 11,893-94, 11,886-87. FL 4200'; perf'd 15' & 45 holes.
 Run #4 - perf'd 3 holes/ft @ 12,445-47, 12,329-31, 12,317-19, 12,181-85, 12,147-49, 12,073-75, 12,066-68, 12,058-60, 12,008-10, 11,996-98. FL 3800; perf'd 20' & 60 holes.
 Run #5 - perf'd 3 holes/ft @ 11,989-91, 11,958-60, 11,952-54, 11,872-74, 11,733-35, 11,724-26, 11,717-19, 11,712-14. FL 3500'; perf'd 16' & 48 holes. Run #6 - perf'd 3

(Cont'd)

Shell-Birch 1-27B5
(Perf & AT)

holes/ft @ 11,682-84, 11,543-45, 11,501-03, 11,492-94, 11,482-84, 11,441-43, 11,408-10, 11,365-67, 11,350-52, 11,335-37. FL 3200; perf'd 20' & 60 holes. Run #7 - perf'd 3 holes/ft @ 11,880-81, 11,864-65, 11,852-53, 11,846-47, 11,842-43, 11,277-79, 11,271-73, 11,199-201, 11,155-63. FL 3400; perf'd 19' & 57 holes. Run #8 - perf'd 3 holes/ft @ 12,496-511, 12,267-271, 12,251-55, 12,158-61. FL 3400; perf'd 26' & 78 holes. Run #9 - perf'd 3 holes/ft @ 11,922-26, 11,809-19, 11,748-52, 11,664-67, 11,599-602, 11,446-50. FL 3300; perf'd 28' & 84 holes. Run #10 - perf'd 3 holes/ft @ 11,553-56, 11,518-26, 11,415-19, 11,376-82. Perf'd 21' & 63 holes. Run #11 - perf'd 3 holes/ft @ 11,166-96. FL 2300; perf'd 30' & 90 holes. Run #12 - perf'd 3 holes/ft @ 11,830-31, 11,824-25, 11,805-06, 11,798-99, 11,795-96, 11,786-87, 11,781-82, 11,770-71, 11,764-65, 11,741-42, 11,709-10, 11,705-06, 11,651-52, 11,647-48, 11,642-43. FL 2300; perf'd 15' & 45 holes. Run #13 - perf'd 3 holes/ft @ 11,571-72, 11,567-68, 11,531-32, 11,508-09, 11,467-68, 11,463-64, 11,459-60, 11,433-34, 11,423-24, 11,399-400, 11,357-58, 11,312-13, 11,293-94, 11,239-40, 11,235-36. FL 2300; perf'd 15' & 45 holes. Run #14 - perf'd 3 holes per ft @ 11,231-32, 11,227-28, 11,223-24, 11,217-18, 11,213-14, 11,204-05, 11,700-02, 11,691-93, 11,316-23. FL 2300; perf'd 24' & 72 holes. Run #15 - perf'd 3 holes per ft @ 12,461-82. Perf'd 12' & 36 holes. RD OWP & pmp'd 75 BW down csg. RIH w/5" Bkr full bore & unload'g sub. Set pkr @ 11,070'. Obtained inj rate on backside of 2 B/M @ 1000 psi. Drop'd SV down tbg. Press tested tbg to 6800 psi, ok. MI&RU slickline trk. RIH & latched onto SV. POOH w/SV & RD slickline. Removed BOP's & installed 10,000# WH. SI well. Prep to acdz.

JAN 30 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. TP 500 psi; CP 300 psi. MI&RU WOW #19. Pmp'd 29,000 gals 7-1/2% HCl acid as per prog. Mixed 1000# Benzoic Acid Flakes & started down csg. Rate decr'd to 1/2 B/M @ 2000 psi. Started acid down tbg. Step A - pmp'd 5000 gals acid drop'g 1 7/8" RCN ball sealer every 100 gals. Step B - pmp'd 1000 gals acid containing 500# OS160 Button Unibeads & 250# OS160 WR. Repeated Step A four times & Step B 3 more times. Flushed tbg w/90 bbls prod wtr. ISIP 3300 psi, 5 mins 100, 10 mins 0. Max press 7400 psi, min 6200, avg 6800. Max rate 13 B/M, min 9, avg 10. Held 2000 psi on csg thruout job. No indication of communication across pkr. Pmp'd 40 bbls diesel down tbg. RD WOW. MI&RU OWP. Ran GR log; log indicated zone shots took most of trtmt. SI for night.

JAN 31 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. TP 900 psi. Flwd wtr & some oil to pit for 2 hrs, then press went to 0. Pmp'd 30 BW down tbg. Installed BPV, removed 10,000# WH & installed 6" 5000# BOP. Removed BPV, released Bkr full bore pkr & pmp'd 100 BW down tbg. POOH w/tbg. RIH w/Bkr 7" loc-set pkr & gas mndrls w/valves. Set pkr @ 10,220' w/8000# tension. SI overnight.

FEB 01 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. (Corr rept of 2/1: Set pkr @ 10,280' w/8000# tension instead of @ 10,220'.) Bled well to pit. Pmp'd 30 bbls down tbg. Installed BPV, removed BOP, installed 5000# WH & removed BPV. Hooked well up to flwline. RD WOW #19 & turned well over to prod. FEB 02 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. Gauge not available.
FEB 03 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. Gauge not available.
FEB 06 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
2/2	24	90	91	425	1290
2/3	24	74	36	656	1200
2/4	24	31	53	820	1190
2/5	24	30	19	820	1100

FEB 07 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On 24-hr test, gas lifted 19 BO, 20 BW, 755 MCF gas w/1090 psi inj press. FEB 08 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On 24-hr test, gas lifted 26 BO, 37 BW, 753 MCF gas w/1010 psi inj press. FEB 09 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On 24-hr test, gas lifted 37 BO, 31 BW, 722 MCF gas w/1040 psi inj press. FEB 10 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On 24-hr test, gas lifted 18 BO, 0 BW, 722 MCF gas w/1040 psi inj press. FEB 13 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On various tests, gas lifted:

Rept Date	Hrs	BO	BW	MCF Gas	Inj Press
2/10	24	26	0	755	800
2/11	24	31	0	820	800
2/12	24	26	0	820	790

FEB 14 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On 24-hr test, gas lifted 15 BO, 0 BW, 820 MCF gas w/790 psi inj press. FEB 15 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On 24-hr test, gas lifted 10 BO, 17 BW, 308 MCF gas w/1240 psi inj press. FEB 16 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. Gauge not available.

FEB 17 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On 24-hr test, gas lifted 128 BO,
401 BW, 919 MCF gas w/1300 psi inj press. FEB 21 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On 24-hr test, gas lifted 46 BO,
467 BW, 985 MCF gas w/1320 psi inj press.

FEB 22 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On 24-hr test, gas lifted 60 BO,
440 BW, 985 MCF gas w/1350 psi inj press.

FEB 23 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. 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>
2/18	24	74	417	1180	1340
2/19	24	0	35	294	1330
2/20	24	60	345	844	1300
2/21	24	43	245	1196	1300
2/22	24	35	359	1196	1300

FEB 24 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. On 24-hr test, gas lifted 43 BO,
309 BW, 1101 MCF gas w/1300 psi inj press. FEB 27 1978

Shell-Birch 1-27B5
(Perf & AT)

TD 12,600. PB 12,536. Before work, well was prod'g
36 BO & 24 BW/D. After work, well has avg'd 53 BO, 341
BW/D on 1" chk w/approx 620 MCF/D inj.

FINAL REPORT

FEB 28 1978

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. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		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 Birch
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1620' FNL & 1306' FEL		8. FARM OR LEASE NAME
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6081' KB	9. WELL NO. 1-27B5
		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/4 NE/4 Sec. 27-T2S-R5W
		12. COUNTY OR PARISH 18. STATE Duchesne Utah

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

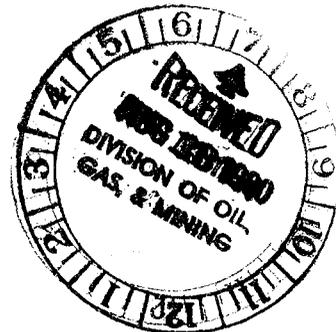
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	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 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 worksheet.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: 8/14/80
BY: *Elion B Feight*



18. I hereby certify that the foregoing is true and correct
SIGNED *F. K. ...* For *F.M. BERGSTRAM* TITLE Division Production Engineer DATE 8/6/80

(This space for Federal or State office use)

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

REMEDIAL PROGNOSIS
BIRCH 1-27B5
SECTION 27, T2S, R5W
ALTAMONT FIELD, UTAH

Pertinent Data:

Shell's Share: 100%

Elevation (KB): 6081'

Elevation (GL): 6069'

TD: 12,600'

PBTD: 12,536'

Casing: 13-3/8", 68#, K-55 at 300'; 9-5/8", 40#, K-55 at 6990'; 7", 26#, S-95 at 10,503'

Liner: 5", 18#, N-80, top at 10,260', bottom at 12,600'

Tubing: 2-7/8", 6.5#, EUE, 8rd to 9650'

Packer: 7" Baker "Lok-set" packer at 9650'

Existing Perforations: 9737'-12,512' (1078 holes)

Artificial Lift: Gas lift with mandrels at 2960', 5090', 6545', 7480', 8010', 8540', 9070', 9600'

Procedure:

1. MIRU. Load hole with clean produced water. Remove tree. Install and test BOPE as per field specs.
2. Pull tubing, 7" packer at 9650', laying down gas lift mandrels while coming out.
3. RIH with 5" RBP and 5" fullbore packer. Set RBP at +10,380'. Fill casing and pressure test plug to 3500 psi. If okay, spot sand (at field's discretion) on plug and pull tubing and retrieving plug.
4. RIH with 7" fullbore packer and set at 9650'.
5. Acid treat perfs 9737'-10,342' (111 holes) with 29,000 gallons of 7-1/2% HCL as follows:
 - a. Pump 4000 gallons acid, dropping one ball sealer (7/8" RCN with 1.2 S.G.) every 240 gallons.
 - b. Pump 1000 gallons acid containing 1000# benzoic acid flakes.
 - c. Repeat Step (a) 5 more times and Step (b) 4 more times for a total of 6 stages and 5 of diverting material (total 29,000 gallons acid and 100 ball sealers).
 - d. Flush with 75 bbls of clean produced water.

- Notes:
1. All acid and flush to contain 6 gallons G-10/1000 gallons HCL or equivalent for +70% friction reduction and 1.0# 20-40 mesh RA sand per 1000 gallons (no RA sand in flush).
 2. All acid to contain 3 gallons C-15/1000 gallons HCL for 4 hours exposure at 210^oF and the necessary surfactant (tested for compatibility with formation fluids).
 3. Maintain 2500 psi surface casing pressure during treatment if possible.
 4. Pumping rates: pump at maximum possible without exceeding 6500 psi differential pressure between tubing and annulus.
 5. Increase amount of diverting material if necessary to obtain a gradual increase in treating pressure and/or decrease in rate.
 6. Record ISIP and shut-in pressure decline for at least 20 minutes.

6. Run RA log from 10,350' to 9600'.
- 7a. If well flows, release rig and put on production. When well can be controlled with water, move in rig and proceed to Step 10.
 - b. If well does not flow, continue with Step 8.
8. POOH with tubing and 7" fullbore packer at 9650'.
9. Circulate sand off top of bridge plug (if necessary) and retrieve bridge plug. POOH.
10. RIH with tubing, packer, and gas lift mandrels. Set packer at +9650'. Install mandrels as shown in Attachment **I**.
11. -Return well to production.
12. Report well tests on morning report until production stabilizes.

G. L. Thompson

Date

MEB:JL

MEB
8/4/80

FILED
FOR S.M.B.
8/4/80

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

SUBMIT THIS TRIPPLICATE*
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. PATENTED
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 831 Houston, Tx 77001 Attn: C.E. Tixier Rm. #1916		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 1620' FNL & 1306' FEL Sec. 27		8. FARM OR LEASE NAME Birch
14. PERMIT NO.		9. WELL NO. 1-2785
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6081' KB		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 R5W
		12. COUNTY OR PARISH Duchesne
		18. STATE Utah

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

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

FEB 20 1981

DIVISION OF OIL, GAS & MINING

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

SIGNED C.E. Tixier TITLE DIVISION PROP. ENGINEER DATE 1-30-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 350
ISSUED 01/19781

WELL: BIRCH 1-27B5
 LABEL: FIRST REPORT
 AFE: 594617
 FOREMAN: K.C. LAROSE
 RIG: WDW #22
 OBJECTIVE: CLEAN OUT AND STIMULATE.
 AUTH. AMNT: 53000
 DAILY COST: 6300
 CUM COST: 6300
 DATE: 11-14-80 AND 11-15-80
 ACTIVITY: 11-14-80 STATUS: M.I.R.U. BLED BACK SIDE OFF TO THE
 02 TREATOR. PUMP WATER - KILLED WELL AND INSTALLED
 03 BOPS - UNLATCHED PACKER AND STARTED OUT OF THE
 04 HOLE WITH PACKER AND TUBING - LAYING DOWN GAS LIFT
 05 MANDERALS. S.D.O.N.
 06 11-15-80 STATUS: PUMPED WATER AND KILLED WELL.
 07 FINISHED PULLING OUT OF THE HOLE WITH PACKER AND
 08 TUBING - LAYING DOWN GAS LIFT MANDERALS. RIH WITH
 09 5 IN. RBP AND 5 IN FULLBORE PACKER. FULLBORE
 10 PACKER SET ON US WHILE TRYING TO GO IN HOLE -
 11 SHEARED PIN IN PACKER AND STARTED OUT OF THE
 12 HOLE. S.D.O.N.

LABEL: -----
 DAILY COST: 4800
 CUM COST: 11100
 DATE: 11-17-80
 ACTIVITY: 11-17-80 STATUS: FINISHED COMING OUT OF THE HOLE
 02 WITH 5 IN. PACKER. PICKED UP A NEW 5 IN. PACKER
 03 WITH 5 IN. RBP ON BOTTOM. RIH WITH RBP AND 5 IN.
 04 PACKER AND TUBING. SET RBP @ 10367 FT. SET PACKER -
 05 PRESSURE CHECKED PLUG TO 3500# OK. PUMPED HOT
 06 WATER DOWN TUBING TO CLEAN TUBING OUT. RIG UP
 07 DELSCO TO PULL COLLAR STOP - RIG DELSCO DOWN -
 08 SPOTTED SAND ON PLUG - PUMPING WATER DOWN TUBING
 09 WHILE CHASING SAND TO PLUG. TRIED TO PULL OUT
 10 OF HOLE WOULDNT COME. PUMP MORE WATER DOWN TUBING
 11 TRYING TO CIRCULATE WATER AND SAND AROUND PACKER.
 12 STILL COULDNT COME OUT OF HOLE. S.D.O.N.

LABEL: -----

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 350
ISSUED 01/19781

DAILY COST: 5000
 CUM COST: 16100
 DATE: 11-18-80
 ACTIVITY: 11-18-80
 02 STATUS: RIG UP B J HUGHES. PUMPED 200 BBLs. WATER
 03 DOWN THE TUBING AT A RATE OF 1 BBL. A MINUTE @
 04 3500# PSI. SHUT DOWN TRIED TO PULL OUT - WOULDNT
 05 COME TRIED TO GO DOWN HOLE WOULDNT MOVE. WASNT
 06 GETTING ANY ACTION IN PACKER AT ALL. RIG UP B J
 07 ON THE BACK SIDE. STARTED PUMPING WATER AFTER 10
 08 BBLs. IT STARTED TO PRESSURE UP. AFTER 72 BBLs.
 09 WE GOT CIRCULATION BACK. PUMPED 800 BBLs. AT A
 10 RATE OF 9 BBLs. A MINUTE @ 2000# PSI. GETTING
 11 CIRCULATION BACK @ 1 BBLs. A MINUTE. STOPPING
 12 AFTER 200 BBLs WORKING WITH PACKER BU T NO ACTION.
 13 RIG B J DOWN. TRIED TO SAFETY PACKER WOULDNT SAFETY.
 14 S.D.O.N.

LABEL: -----
 DAILY COST: 5900
 CUM COST: 22000
 DATE: 11-19-80
 ACTIVITY: 11-19-80 STATUS: RIG UP MCCULLOUGH. R.I.H. AND
 02 RUN A FREE POINT. DIDNT SHOW THERE WAS ANY SAND
 03 AROUND TUBING. SOMETHING WRONG WITH THE PACKER.
 04 PULLED OUT OF THE HOLE AND TOOK OFF FREE POINT.
 05 PUT ON A CHEMICAL CUTTER AND RAN IN THE HOLE -
 06 CUT THE TUBING OFF @ 10242 FT. PULLED THE CHEMICAL
 07 CUTTER OUT OF THE HOLE. RIG MCCULLOUGH DOWN. P.O.O.H.
 08 WITH TUBING. PUT ON FISHING TOOLS AND R.I.H. WITH
 09 FISHING TOOLS AND TUBING. S.D.O.N.

LABEL: -----
 DAILY COST: 4700
 CUM COST: 26700
 DATE: 11-20-80
 ACTIVITY: 11-20-80 ACTIVITY: R.I.H. WITH FISHING TOOLS AND
 02 TAGGED FISH. LATCHED OVERSHOT ON FISH. JARRED ON
 03 PACKER FOR 1 1/2 HRS. - NO MOVEMENT - RIGGED UP
 04 WATER PUMP AND PUMP WATER DOWN TUBING - PUT 500#
 05 PRESSURE ON TUBING. JARRED DOWN ON PACKER AND GOT
 06 UNLOADER CELL TO OPEN. PUMP 150 BBLs. WATER WITH

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 350
ISSUED 01/19781

07 RIG PUMP @ 3 1/2 BBLs. A MINUTE. RIGGED UP B J AND
 08 PUMPED 200 BBLs @ 5 BBLs. A MINUTE @ 1900 # PSI.
 09 GOT CIRCULATION BACK @ SURFACE AND PUMPED FOR 1 HR.
 10 PICKED UP ON TUBING AND PACKER - CLOSED UNLOADER
 11 CELL - STARTED TO PUMP WATER DOWN TUBING - FLUSHING
 12 SAND UP AROUND PACKER AND PUMPED FOR 1/2 HR. RIGGED
 13 B J DOWN. PICKED UP PACKER WAS FREE. P.O.O.H.
 14 WITH PACKER AND TUBING. S.D.O.N.
 15 11-20-80 STATUS: P.O.O.H. WITH PACKER AND TUBING.

LABEL: -----
 DAILY COST: 6500
 CUM COST: 33200
 DATE: 11-21 AND 11-22-80
 ACTIVITY: 11-21-80 STATUS: FINISHED COMING OUT OF THE HOLE
 02 WITH PACKER AND TUBING. LEFT BOTTOM PART OF PACKER
 03 IN 5 IN. LINER. PUT ON A SPEAR - BUMPER SUB AND
 04 JARS - R.I.H. - PUMPED WATER THROUGH SPEAR. LOWER
 05 DOWN ON PACK OFF ASSEMBLY AND RETRIEVING HEAD -
 06 STARTED OUT OF THE HOLE. S.D.O.N.
 07 11-22-80 STATUS: FINISHED COMING OUT OF THE HOLE WITH
 08 FISH AND TUBING. LAYING DOWN FISHING TOOLS AND PUT
 09 ON A 7 IN. FULLBORE PACKER. R.I.H. WITH PACKER AND
 10 TUBING - SET PACKER - TOOK OFF BOPS AND INSTALLED
 11 10000# FRACK TREE. PRESSURE CHECK BACK SIDE OK.
 12 S.D.O.N.

LABEL: -----
 DAILY COST: 3700
 CUM COST: 36900
 DATE: 11-24-80
 ACTIVITY: 11-24-80 STATUS: RIGGED UP WESTERN COMPANY AND
 02 PRESSURE CHECKED LINES. HOOKED UP B J ON BACK SIDE
 03 AND STARTED ACIDIZING. GOT THROUGH TWO STAGES AT
 04 A RATE OF 12 BBLs. A MINUTE @ 6100# DOWN THE TUBING -
 05 HOLDING 2500# ON THE BACK SIDE. STARTED TO GET
 06 5 BBLs. A MINUTE BACK THROUGH THE BACK SIDE. HAD
 07 WESTERN FLUSH THE TUBING OUT WITH WATER AND SHUT
 08 DOWN - BLEED THE PRESSURE OFF - RIG DOWN WESTERN
 09 AND TOOK 10000# FRACK TREE OFF. INSTALLED BOPS -
 10 UNLATCHED PACKER - USED B J TO PUMP WATER DOWN
 11 CASING TO FLUSH OUT ST. STARTED OUT OF THE

ALTAMONT OPERATIONS
 DAILY COMPLETIONS AND REMEDIALS REPORT
 WELL HISTORY FOR WELL 350
 ISSUED 01/19/81

12 HOLE WITH PACKER AND TUBING. S.D.O.N.

LABEL: -----
 DAILY COST: 3200
 CUM COST: 40100
 DATE: 11-25 AND 11-26-80
 ACTIVITY: 11-25-80 ACTIVITY: CAME REST OF THE WAY OUT OF THE
 02 HOLE AND PUT ON NEW 7 IN. FULLBORE PACKER. R.I.H.
 03 FOUND ONE JOINT WITH HOLE IN IT - CHANGED
 04 OUT - SET PACKER IN - FILLED TUBING UP - PUMPED S.V.
 05 DOWN AND TRIED TO TEST CASING - WOULDNT TEST - TRIED
 06 TO TEST TUBING - WOULDNT TEST - P.O.O.H. WITH
 07 PACKER AND TUBING CHECKING FOR LEAKS. S.D.O.N.
 08 11-26-80 STATUS: P.O.O.H. WITH TUBING AND
 09 PACKER CHECKING FOR LEAKS. RUNNING IN HOLE SETTING
 10 PACKER GETTING READY TO ACIDIZE ON MONDAY. WILL
 11 BE SHUT DOWN FOR 4 DAYS FOR THANKSGIVING.

LABEL: -----
 DAILY COST: 3200
 CUM COST: 43300
 DATE: 12-1-80
 ACTIVITY: 12-1-80 ACTIVITY: TESTED TUBING WOULDNT HOLD.
 02 P.O.O.H. WITH TUBING AND PACKER - LAYING DOWN
 03 TUBING - CHANGED OUT 315 JOINTS OF 2 7/8 IN. HAULED
 04 TUBING IN YARD FOR INSPECTION - HAULED OUT 315
 05 JOINTS OF INSPECTED PIPE 2 7/8 IN. TO CHANGE OUT
 06 TUBING STRING. S.D.O.N.

LABEL: -----
 DAILY COST: 3100
 CUM COST: 46400
 DATE: 12-2-80
 ACTIVITY: 12-2-80 ACTIVITY: R.I.H WITH 315 JOINTS OF 2 7/8 IN.
 02 INSPECTED TUBING. LANDED PACKER @ 9655 FT. FLUSHED
 03 TUBING OUT WITH HOT WATER. PUT S.V. IN AND FILLED TUBING
 04 - FILLED CASING AND PRESSURE CHECKED TO 2000 # OK.
 05 PRESSURED CHECK TUBING TO 5000# OK. BLEED PRESSURE OFF
 06 AND RUN IN TO PULL S.V. OUT. S.D.O.N.

LABEL: -----
 DAILY COST: 3100

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 350
ISSUED 01/19/81

CUM COST: 49500
DATE: 12-3 AND 12-4-80
ACTIVITY: 12-3-80 ACTIVITY: OPENED UNLOADER CELL ON PACKER-
02 EQUILYZED TUBING AND CASING. R.I.H. WITH OVERSHOT
03 AND PULLED S.V. - P.D.O.H. WITH S.V. - TOOK OFF
04 BLOW OUT PREVENTER - INSTALLED 10000# FRACK TREE -
05 CLOSED UNLOADER CELL ON PACKER - FILLED CASING AND
06 PUT 2000# PRESSURE ON IT - LEFT PRESSURE ON BACK
07 SIDE. S.D.O.N.
08 12-4-80 STATUS: SHUT DOWN FOR THE DAY WAITING FOR
09 ACID COMPANY. ACID COMPANY PAYING FOR RIG STAND
10 BY TIME.

LABEL: -----
DAILY COST: 37400
CUM COST: 86900
DATE: 12-5 AND 12-6 AND 12-7-80
ACTIVITY: 12-5-80 STATUS: RIG UP -PSI TEST LINES- GET READY
02 TO ACIDIZE.
03 12-5-80 ACTIVITY: PUMPED 100 BBLs. WTR. FOR PAD.
04 ACIDIZE WELL. WITH 2900 GALLONS ACID-100 BALL
05 SEALERS-3000# ACID FLAKE. RUN RA SAND WITH ACID.
06 75 BBLs. WTR. FLUSH. DONE IN 7 STEPS. ISDP
07 2200#- 20 MIN. S.I. 1550 # . . . MAX PSI. PUMPED 6800.
08 MIN. PSI PUMPED 4950 AT 13 P.M. AFTER STEP 2
09 LOST ONE PUMP-REASON LOW PSI. HELD 2500# ON
10 BACKSIDE. RIG WESTERN DOWN. GET READY TO LOG.
11 S.D.O.N.
12 12-6-80 STATUS: PUMPED 75 BBLs. OF 180 DEGREE
13 WATER DOWN TBG.
14 12-6-80 ACTIVITY: RIG UP O.W.P. RAN RA LOG FROM
15 10296 FT. TO 9550 FT. POOH RIG O.W.P. DOWN.
16 UNLATCH 7 IN. FULLBORE PKR. POOH-PUT RETRIEVING
17 HEAD ON AND RIH STOPPED ABOVE 5 IN. LINER. SDON.
18 12-7-80 STATUS: SUNDAY SHUT DOWN.

LABEL: -----
DAILY COST: 5000
CUM COST: 96500
DATE: 12-8 AND 12-9-80
ACTIVITY: 12-8-80 ACTIVITY: R.I.H. WENT IN 5 IN. LINER
02 TAGGED P.A.F. AND SAND. PULLED UP - PUMPED 350

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 350
ISSUED 01/19/81

03 BBLs. WATER DOWN BACK SIDE - TRIED TO CIRCULATE -
 04 NEVER GOT CIRCULATION - PUMP WATER DOWN TUBING -
 05 NEVER GOT ANYTHING BACK - CALLED PUMP TRUCK AND
 06 STILL COULDN'T GET CIRCULATION - SWAB PIPE -
 07 STARTED OUT OF THE HOLE. S.D.O.N.
 08 12-9-80 ACTIVITY: P.O.O.H. LAYED DOWN 14 JOINTS
 09 OF TUBING. TUBING WAS PLUGGED. PUT ANOTHER
 10 RETRIEVING HEAD ON AND 14 MORE JOINTS OF TUBING.
 11 R.I.H. RIG UP PUMP TRUCK. CIRCULATED A.F. AND
 12 SAND OFF OF B.P. PULLED OUT OF 5 IN. LINER WITH
 13 B.P. AND TUBING. S.D.O.N.

LABEL: -----
 DAILY COST: 2500
 CUM COST: 99000
 DATE: 12-10-80
 ACTIVITY: 12-10-80 ACTIVITY: P.O.O.H. DIDN'T HAVE B.P.
 02 CLEANED UP RETRIEVING HEAD. R.I.H. WITH TUBING
 03 AND RETRIEVING HEAD. CIRCULATED WATER AND
 04 FLUSHED OUT 5 IN. LINER. SET DOWN ON B.P. P.O.O.H.
 05 S.D.O.N.

LABEL: FINAL REPORT
 DAILY COST: 2600
 CUM COST: 101600
 DATE: 12-11-80
 ACTIVITY: 12-11-80 STATUS: PUMP WATER KILLED WELL. P.O.O.H.
 02 WITH TUBING AND B.P. PUT ON 7 IN. LOCK SET PACKER.
 03 R.I.H. WITH PACKER AND TUBING WHILE PICKING UP GAS
 04 LIFT MANDRELS - SET PACKER - TOOK OFF BOPS -
 05 INSTALLED TREE - PUT ON PRODUCTION - RIGGED DOWN.
 06 S.D.O.N.

LABEL: 801213
 DAILY COST: 801213
 CUM COST: 101600
 DATE: 12-12-80
 ACTIVITY: 12-12-80 ACTIVITY: OIL 76-WTR 60-MCF GAS 642
 02 INJ GAS 533-TP 100 LBS.-CSG PRESS. 1100 LBS.
 03 INJ CHK 64-PROD CHK 40/64-PROD 10 HRS.

LABEL: -----

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 350
ISSUED 01/19781

DAILY COST: NONE
 CUM COST: 101600
 DATE: 12-13-80
 ACTIVITY: 12-13-80 ACTIVITY: OIL-54 WATER-339 PROD. GAS-732
 02 INJ. GAS-540 TP-100# CP-1150# CHOKE -42/64

LABEL: -----
 DAILY COST: NONE
 CUM COST: 101600
 DATE: 12-14-80
 ACTIVITY: 12-14-80 ACTIVITY: OIL-38 WATER-399 GAS-803 MCF
 02 INJ. GAS-585 TP-100# CP-1120# CHOKE-30/64

LABEL: -----
 DAILY COST: NONE
 CUM COST: 101600
 DATE: 12-15-80
 ACTIVITY: 12-15-80 ACTIVITY: OIL-33 WATER-379 GAS-554
 02 INJ. GAS-567 TP-200# CP-1100# CHOKE -30/64

LABEL: 801220
 DAILY COST: 801220
 CUM COST: 101600
 DATE: 12-18-80
 ACTIVITY: 12-18-80 ACTIVITY: OIL 36-WTR 311-MCF GAS 488
 02 INJ GAS-586-TP-60 LBS.-CP-100 LBS.-CHK 38/64

LABEL: FINAL REPORT
 DAILY COST: FINAL REPORT
 CUM COST: 101600
 DATE: 12-21-80
 ACTIVITY: 12-21-80 TEST ACTIVITY: OIL 30-WTR 293-MCF GAS 433
 02 INJ GAS 320-CSNG PRESS 1100 LBS.-TBG PRESS 70 LBS.
 03 CHOKE 34/64

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

MONTHLY OIL AND GAS PRODUCTION REPORT

Duchesne

Operator name and address:

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

NIOHC

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

Operator name
change

Utah Account No. N0840

Report Period (Month/Year) 8 / 84

Amended Report

Well Name	Producing Zone	Days Oper	Production Volume Oil (BBL)	Gas (MSCF)	Water (BBL)
ELLSWORTH 1-16B4 4301330192 01735 02S 04W 16	WSTC	16	362	545	3344
HANSON TRUST 1-09B3 4301330144 01740 02S 03W 9	GR-WS	21	750	1042	6375
MUNSEN 1-27B3 4301330145 01745 01S 03W 27	WSTC	31	1273	2206	326
WINKLER 1-28A3 4301330191 01750 01S 03W 28	WSTC	31	1481	363	3094
SHELL TEW 1-10B5 4301330178 01755 02S 05W 10	WSTC	15	225	1653	322
ELLSWORTH 1-19B4 4301330183 01760 02S 04W 19	WSTC	20	469	618	3730
GOODRICH 1-2B3 4301330182 01765 02S 03W 2	GR-WS	28	841	1612	2766
BROTHERSON 1-15B4 4301330159 01770 02S 04W 15	WSTC	31	2207	608	5598
MYRIN RANCH 1-13B4 4301330180 01775 02S 04W 13	WSTC	22	735	817	3885
EVANS 1-19B3 4301330265 01776 02S 03W 19	WSTC	17	344	431	1457
BROTHERSON 1-22B4 4301330227 01780 02S 04W 22	WSTC	22	712	9187	2108
BIRCH 1-27B5 4301330197 01781 02S 05W 27	WSTC	21	2090	428	576
HANSKOTT 1-23B5 4301330172 01785 02S 05W 23	WSTC	24	517	3600	4664
TOTAL			12006	23610	51275

Comments (attach separate sheet if necessary)

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

Date 9-28-84

Telephone

Authorized signature

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 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>Birch</i>
14. PERMIT NO. <i>43-013-30197</i>		9. WELL NO. <i>1-27B5</i>
15. ELEVATIONS (Show whether DF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT
16. PERMIT NO. <i>43-013-30197</i>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
17. COUNTY OR PARISH		12. COUNTY OR PARISH <i>Muchesne</i>
18. STATE		13. STATE

RECEIVED
DEC 31 1986

DIVISION OF
OIL GAS & MINING

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) <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

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

No 235

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.

No 675 ←

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. NO235.
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*



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	Days	Production Volume		
API Number Entity Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
SHELL TEW 1-10B5 4301330178 01755 02S 05W 10	WSTC				
ELLSWORTH 1-19B4 4301330183 01760 02S 04W 19	WSTC				
ELLSWORTH #2-19B4 4301331105 01761 02S 04W 19	WSTC				
GOODRICH 1-2B3 4301330182 01765 02S 03W 2	GR-WS				
BROTHERSON 1-15B4 4301330159 01770 02S 04W 15	WSTC				
BROTHERSON 2-15B4 4301331103 01771 02S 04W 15	WSTC				
EVANS 1-19B3 4301330265 01776 02S 03W 19	WSTC				
BROTHERSON 1-22B4 4301330227 01780 02S 04W 22	WSTC				
BIRCH 1-27B5 4301330197 01781 02S 05W 27	WSTC				
BROTHERSON #2-22B4 4301331086 01782 02S 04W 22	WSTC				
BIRCH #3-27B5 4301331126 01783 02S 05W 27	WSTC				
HANSKUTT 1-23B5 4301330172 01785 02S 05W 23	WSTC				
MURDOCK 1-34B5 4301330230 01786 02S 05W 34	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 _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

FEB 25 1988

5. LEASE DESIGNATION AND SERIAL NO.
Patented POW/WSTC

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Birch

9. WELL NO.
#1-27B5

10. FIELD AND POOL, OR WILDCAT
Altamont

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA (SE/4NE/4)

Section 27-T2S-R5W

12. COUNTY OR PARISH 13. STATE
Duchesne Utah

1. OIL WELL GAS WELL 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

1620' FNL and 1306' FEL

14. PERMIT NO.
43-013-30197

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6081' KB

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

(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.)*

- 1) Repair 7" casing leaks - 6,204'-7,038' w/cement.
- 2) Add perfs to Wasatch and Green River using a 3-1/8" casing gun (3SPF) from 9,740'-12,500'.
- 3) Acidize perfs 9,740'-12,500' w/25,000 gallons 15% HCL w/additives.
- 4) Returned well to production.

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

SIGNED Brenda W. Swank
Brenda W. Swank

TITLE Assoc. Regulatory Analyst

DATE 2-18-88

(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: 2-26-88

BY: John R. Dera

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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 GAS WELL 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
1620' FNL and 1306' FEL

14. PERMIT NO.
43-013-30197

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6081' KB

5. LEASE DESIGNATION AND SERIAL NO.
Patented POW/WSTC

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
030312

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Birch

9. WELL NO.
#1-27B5

10. FIELD AND POOL, OR WILDCAT
Altamont

11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA (SE/4NE/4)
Section 27-T2S-R5W

12. COUNTY OR PARISH 13. STATE
Duchesne Utah

FEB 25 1988

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 PLANE

- 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.)*

The following workover (casing repair, perforations and acidizing) operation took place starting 12/8/87 and completed 1/15/88.

- 1) Repaired collapse and part in 7" casing 6,204'-7,038' w/650 sx. cement.
- 2) Added Wasatch and Green River perforations 9,740'-12,434' as per enclosed perforation schedule.
- 3) Acidized the Wasatch and Green River perms 9,740'-12,434' w/25,000 gallons 15% HCL w/additives.
- 4) Returned well to production.

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

SIGNED

Brenda W. Swank

TITLE Assoc. Regulatory Analyst

DATE

2-18-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Perforation Schedule
 Birch #1-27B5
 NE/4 Section 27, T2S-R5W
 Duchesne County, Utah

Depth Reference: Schlumberger-BHC Sonic 4/8/73.

	11126	10962	10793	10654	10492	10260	9942
	11109	10944	10787	10653	10475	10250	9933
12434	11107	10940	10782	10643	10470	10230	9928
12127	11105	10929	10776	10636	10464	10198	9917
12103	11101	10927	10772	10612	10437	10191	9900
12102	11092	10923	10771	10611	10429	10178	9897
12031	11088	10917	10755	10602	10428	10166	9891
12024	11086	10911	10754	10577	10418	10160	9880
11645	11074	10907	10741	10573	10411	10144	9872
11632	11071	10879	10737	10568	10401	10132	9865
11256	11064	10870	10728	10565	10386	10122	9862
11250	11056	10869	10720	10559	10383	10111	9854
11197	11047	10861	10714	10558	10374	10095	9851
11192	11030	10858	10703	10548	10373	10079	9841
11188	11026	10847	10696	10536	10368	10063	9835
11184	11021	10846	10690	10524	10363	10062	9823
11175	11019	10832	10685	10521	10344	10056	9816
11167	10999	10830	10678	10517	10338	10043	9811
11163	10986	10829	10675	10514	10333	10035	9807
11161	10984	10820	10670	10507	10332	10027	9797
11150	10963	10819	10661	10502	10318	10004	9774
					10306	9989	9770
					10299	9980	9763
					10293	9978	9756
					10266	9966	9740
					10264	9952	

182 feet Interval 9740-12,434.

RLR
 9/8/87

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... Use "APPLICATION FOR PERMIT..."

RECEIVED JAN 17 1989

Form fields 1-15: 1. OIL WELL [X] GAS WELL [] OTHER []; 2. NAME OF OPERATOR: ANR Production Company; 3. ADDRESS OF OPERATOR: P.O. Box 749, Denver, Colorado 80202; 4. LOCATION OF WELL: At surface 1620' FNL & 1306' FEL; 5. LEASE DESIGNATION AND SERIAL NO.: Patented; 6. IF INDIAN, ALLOTTED OR TRIBE NAME; 7. UNIT AGREEMENT NAME; 8. FARM OR LEASE NAME: Birch; 9. WELL NO.: 1-27B5; 10. FIELD AND POOL, OR WILDCAT: Altamont; 11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA: Section 27, T2S-R5W; 12. COUNTY OR PARISH: Duchesne; 13. STATE: Utah; 14. PERMIT NO.: 43-013-30197; 15. ELEVATIONS: 6081' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data. NOTICE OF INTENTION TO: TEST WATER SHUT-OFF [], PULL OR ALTER CASING [], FRACTURE TREAT [], MULTIPLE COMPLETE [], SHOOT OR ACIDIZE [], ABANDON* P&A [XX], REPAIR WELL [], CHANGE PLANS []. SUBSEQUENT REPORT OF: WATER SHUT-OFF [], REPAIRING WELL [], FRACTURE TREATMENT [], ALTERING CASING [], SHOOTING OR ACIDIZING [], ABANDONMENT* [], (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.)*

Proposed Procedure:

- 1. MIRU. Kill well. NU wellhead & NU BOPE. POOH w/production eqpt.
2. Set CIBP @ 9650'. Spot 50' of cmt on top.
3. Cut 7" csg @ 7000'. Spot 200' cmt plug 7000-6800' to cover 9-5/8" csg shoe & Green River-Uintah transition.
4. Spot 50 sx cmt. plug from 3070-2930' to cover Uintah-Duchesne River transition.
5. Set cmt. plug 200-400' in 9-5/8" csg.
6. Set plug 50' to surface.
7. Cut off both csg strings & install dry hole marker per State of Utah regulations.

18. I hereby certify that the foregoing is true and correct. SIGNED: Eileen Danni Dey, REGULATORY ANALYST, DATE: January 12, 1989

APPROVED BY: [Signature], TITLE: [Blank], DATE: [Blank] APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 1-20-89 *See Instructions on Reverse Side [Signature]

WELL NAME AND NO. *Brick 1-2785*
 LOCATION (LEGAL) *Sec 27-T25-R5W*
 FIELD-POOL *Altamont Bluebell*
 COUNTY/PARISH *DeWolfe* STATE *Utah*

RIG NAME: *Western Well Service*
 WELL DATA: BOTTOM TOP
 BIT SIZE *5"* CSG/Liner Size *2 1/2"* *9 5/8"* *3 1/2"*
 TOTAL DEPTH *15#* WEIGHT *15#* *15#* *18#*
 MUD TYPE *W 80* GRADE *5-20* *5-25* *5-25*
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S)
 MUD VISC. Disp. Capacity

RECEIVED

NAME *AMR Production* DIVISION *OIL, GAS & MIN*
 AND
 ADDRESS
 ZIP CODE

SPECIAL INSTRUCTIONS *Mix + Displace 35 lbs Cement To Pump from 3070' - 2930' Mix + Displace 35 lbs Class A 2 1/2 No. 1 plus 400' - 500' Mix + Pump 10 lbs to plug from 50' - surface; Mix & Pump 10 lbs to Pump Annulus Between 7" + 9 5/8"*

PRESSURE LIMIT *1000* PSI BUMP PLUG TO PSI
 ROTATE RPM RECIPROCATATE FT No. of Centralizers

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE *2 1/2* TYPE
 Single WEIGHT *15* DEPTH
 Swage GRADE *7-55* TAIL PIPE: SIZE DEPTH
 Knockoff THREAD *8 R* TUBING VOLUME Bbls
 TOP R W NEW USED CASING VOL. BELOW TOOL Bbls
 BOT R W DEPTH TOTAL Bbls
 ANNUAL VOLUME Bbls

TIME PRESSURE VOLUME PUMPED BBL JOB SCHEDULED FOR ARRIVE ON LOCATION LEFT LOCATION
 0001 to 2400 TBG OR D.P. CASING INCREMENT CUM INJECT RATE FLUID TYPE FLUID DENSITY TIME: *7:20* DATE: *10-7-84* TIME: *07:00* DATE: *10-7-84* TIME: *12:30* DATE: *10/7/84*

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
			TIME	DATE	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE
07:55	190	10	0	2.5	H ₂ O	8.3	PRE-JOB SAFETY MEETING		
07:58	190	5	10	2.5	Cement	15.8	Start Cement Slurry		
08:02	110	5.5	16	2.5	H ₂ O	8.3	Start Displacement		
08:09	0		31.5	0	"	"	Plug Balanced from 3070' - 2930'		
08:34	0	10	31.5	2	H ₂ O	8.3	Start H ₂ O Preflush		
08:38	10	6	37.5	3.5	Cement	15.8	Start Cement		
08:40	0	1.5	47.5	0	H ₂ O	8.3	Start Displacement		
08:41	0		49	0	"	"	Plug Balanced from 400' - 500'		
08:43	0	2	49	1	H ₂ O	8.3	Start Pumping H ₂ O to 50' hole		
08:45	0	2	51	1.5	Cement	15.8	Start Cement hole displacement		
08:47	0	1	53	1.5	H ₂ O	8.3	Pump 1 Bbl To Above Pump & Lines		
08:49	0		54	0	"	"	Plug Spotted to plug from 50' - surface		
08:52	0	2	54	1	H ₂ O	8.3	Start H ₂ O Ahead in 7" Annulus		
08:52	0	12	66	1	Cement	15.8	Start Cement		
08:53	840		68	0	"	"	Shut down, Got Squeeze in 7" + 9 5/8" Annulus		
08:55	650						Shut in with 650 PSI & down		

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY	
1.	35	1.15	Class A Cement			1	15.8
2.	35	1.15	Class A Cement 2 1/2 No. 1s			6	15.8
3.	70	1.15	Class A Cement 2 1/2 No. 1s			2	15.8
4.	70	1.15	Class A Cement 2 1/2 No. 1s			12	15.8
5.							
6.							

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. 940 MIN:
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls.
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. Bbls TYPE OF WELL OIL GAS STORAGE BRINE WATER
 Washed Thru Perfs YES NO TO FT MEASURED DISPLACEMENT WIRELINE INJECTION WILDCAT
 PERFORMATIONS TO TO CUSTOMER REPRESENTATIVE DS SUPERVISOR
Rob Lewis *Leo C. Nash*

WELL-NAME AND NO. *Binch 1-27R5* LOCAT (LEGAL) *Sec 27 T25 R5W*
 FIELD-POOL *Attamont Bluebell* FORMATION *Wasatch*
 COUNTY/PARISH *Duchesne* STATE *Utah*

RIG NAME: *Western Well Serv*
 WELL DATA: BOTTOM TOP
 BIT SIZE CSG/Liner Size 5" 7" 9 1/2 13 3/8
 WEIGHT 15 26 40 48
 FOOTAGE 1200 1050 690 300
 GRADE 11-80 595 K55 K55
 THREAD SESP
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S)
 MUD VISC. Disp. Capacity

NAME *ANR Production* OCT 23 1989
 AND
 ADDRESS
 ZIP CODE

SPECIAL INSTRUCTIONS *Pump 50sk Below Retainer @ 9639' Leave 25sk above Retainer Circ Dilat of hole - POOH to 7000' Circ Hole w/ 9.5 mud Balance 405x Plug @ 7000' 405x Plug @ 3020' 405x Plug 405' 105x Plug 50' to Surface Pump 125sk down Annulus 2' 1988*
 IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT PSI BUMP PLUG TO PSI
 ROTATE RPM RECIPROCATE FT No. of Centralizers

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE 2 7/8
 Single WEIGHT 6.5
 Swage GRADE 11-80
 Knockoff THREAD 8sd
 NEW USED
 TOP R W DEPTH
 BOT R W DEPTH
 TYPE Cmt Retainer
 DEPTH 9639
 TUBING VOLUME Bbls
 CASING VOL. BELOW TOOL Bbls
 TOTAL Bbls
 ANNUAL VOLUME Bbls

TIME 0001 to 2400 PRESSURE TBG OR D.P. CASING VOLUME PUMPED BBL INCREMENT CUM JOB SCHEDULED FOR TIME: 1000 DATE: 10-6 ARRIVE ON LOCATION TIME: 0830 DATE: 10-6 LEFT LOCATION TIME: 1630 DATE: 10-6

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0830											
0945											
1100											
1113	0	0	10	0	3	wtr	8.3				
1116	0		15	10	3	cmt	15.8				
1121	0		50	25	4.5						
1126	650										
	1000										
1132	200			25	-						
1145				0	6						
1150	660			20							
1155	900			48	4						
1224	150			137							
1230											
1235											
1240				855							

REMARKS *PH 7 C₂ 1200 C₂ 165 Sulphate 150 Temp 60°*

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED			
			CLASS	PERCENT	PERCENT	BBLs	DENSITY		
1.	20	7.75	Class A	3%	11-13	5%	10-65	15	15.8
2.	75	1.15	Class G					8	15.8
3.									
4.	40	1.15	Class G						
5.									
6.									

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN:
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls.
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. Bbls TYPE OF WELL OIL STORAGE BRINE WATER
 GAS INJECTION WILDCAT
 Washed Thru Perfs YES NO TO FT MEASURED DISPLACEMENT WIRELINE
 PERFORMANCES TO TO CUSTOMER REPRESENTATIVE DS SUPERVISOR
Rob Lewis *John Garner*

OILFIELD SERVICES
INDUSTRIAL SERVICES

Page 2

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.
15-03-6412

CUSTOMER NUMBER

CUSTOMER NO. NUMBER

DSI SERVICE LOCATION NAME AND NUMBER

Utah 15-03

RECEIVED

OCT 23 1989

TYPE SERVICE CODE
295

BUSINESS CODES

CUSTOMER'S NAME

A N R Production

ADDRESS

PO Box 120

CITY, STATE AND ZIP CODE

Altonment Utah

DIVISION OF
OIL, GAS & MINING

WORKOVER
NEW WELL
OTHER

API OR IC NUMBER

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE LOCATION	MO.	DAY	YR.	TIME
	10	7	89	07:00

SERVICE ORDER RECEIPT

I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

JOB COMPLETION	MO.	DAY	YR.	TIME
	10	7	89	11:30

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

Kou Lindell

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. _____ in accordance with the terms and conditions as printed on the reverse side of this form.

Pump 10 Bbl 1120 mix + Displace 35 SKS Class 6 to dual
3070-2430; Pump 10 Bbl 1120 mix + Displace
35 SKS Class 6, 2 1/2" cable to find from 400-200, Pump
10 SKS Class 6 2 1/2" cable to Pump from 50' - Surface, Mix +
Pump 50 SKS Class 6, 2 1/2" cable to Sequence 7" - 9 3/4" Annulis

STATE	CODE	COUNTY / PARISH	CODE	CITY
Utah		Duchesne		

WELL NAME AND NUMBER / JOB SITE
Birdie 1-2755

LOCATION AND POOL / PLANT ADDRESS
5-2-27 T-25 R-5W

SHIPPED VIA
DS

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
048020-000	Pump Truck Hours	Hr	5	245.00	1225.00
009300-001	Pump Truck Mileage	Mi	70	2.40	168.00
067005-100	5.1 Sodium Chloride	Lb	200	.32	64.00
011007-200	D-707 Class 6 Cement	SK	60	8.10	486.00

Field Estimate \$971.00

SUB TOTAL

LICENSE/REIMBURSEMENT FEE

LICENSE/REIMBURSEMENT FEE

REMARKS:

STATE	% TAX ON \$
COUNTY	% TAX ON \$
CITY	% TAX ON \$

SIGNATURE OF DSI REPRESENTATIVE

TOTAL \$

L. E. Hall

DSI SERVICE ORDER RECEIPT AND INVOICE NO.
1503 6412

DSI SERVICE LOCATION NAME AND NUMBER
Vernal UT 1503

CUSTOMER NUMBER CUSTOMER P.O. NUMBER

TYPE SERVICE CODE BUSINESS CODES
295

CUSTOMER'S NAME: ANR Production
ADDRESS: PO Box 700
CITY, STATE AND ZIP CODE: Afton Utah

WORKOVER NEW WELL OTHER W N API OR IC NUMBER

ARRIVE LOCATION MO. DAY YR. TIME
10 06 89 0832

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. _____ in accordance with the terms and conditions as printed on the reverse side of this form.

SERVICE ORDER RECEIPT
I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

Pump 505k Below Pelican 29639' Level 255k above it. in 2' duty well, 9004 to 7000' Circ. Hole w/ 9.5 mud
Balance 405k cut Plumb 7000' 405k plus @ 3070' 405k plus 400' 105k plus @ 50' 5 stroke 125k down Annals 7' 898
- To abandon well

JOB COMPLETION MO. DAY YR. TIME
10 06 89 1545

STATE: Utah CODE: COUNTY/PARISH: Dechesne CODE: CITY:

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
Ken Lubick wov #1

WELL NAME AND NUMBER / JOB SITE
Bench 1-27 B5

LOCATION AND POOL / PLANT ADDRESS
Sec 27 T25 R5W

SHIPPED VIA
KLS

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
048262 000	Pump truck to 7000'	ea	1	2946.00	2946.00
048262 001	Footage Below 7000'	ft	639	0.65	415.35
048019 000	Cement Bulk truck on loc	hr	8	45.00	360.00
048020 000	Pump truck over 8 hr	hr	0	245.00	0.00
044102 000	Galley Pump 7159' 70m	1/2 hr	1101	0.80	580.80
044100 000	Service Charge	cuft	330	1.05	356.40
102476 000	Service Supervisor over 8 hr	hr	0	40.00	0.00
102476 000	2 Equipment Supervisor over 8 hr	hr	0	30.00	0.00
051647 000	PACK	ea	1	110.00	110.00
040007 000	090' Class C Cement	cuft	330	8.10	2673.00
067005 100	5-1 Calcium Chloride	lbs	0	0.32	0.00
045003 050	0-13 F. FURDER	lbs	14	1.10	15.40
047007 050	0-65 TIC Dispersant	lbs	35	4.30	150.50

RECEIVED
OCT 23 1989

DIVISION OF OIL, GAS & MINING

Sub Total: 5687.10

SUB TOTAL

LICENSE/REIMBURSEMENT FEE

REMARKS:	STATE	% TAX ON \$
	COUNTY	% TAX ON \$
	CITY	% TAX ON \$
	SIGNATURE OF DSI REPRESENTATIVE	TOTAL \$
	<u>John V. Janner</u>	

**CEMENTING SERVICE REPORT
SUPPLEMENT LOG**

DS-486-1 PRINTED IN U.S.A.

DATE 10-6-89
 TREATMENT NUMBER 6412
 PAGE 2 OF 1 PAGES

CUSTOMER WELL NAME AND NUMBER Reich 1-27R5 LOCATION (LEGAL) Sec 27 T25 R5W DS LOCATION Vernadut

TIME 0001 to 2400	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM.				
1244	800			0	3	Mud	9.5	Start Pump Mud to K.11 well
1253	400			24	-			STOP Pumping Stand by while POOH
1435	800				4.5	Mud	9.5	Tby @ 7000' Start Circ Hole
1509	1000							Mud in to Surface Stop Pump
1520								Held Tail Gate Meeting
1521	220		10	0	2	wtr	8.3	Start Pump Water
1527	300		8	10	3	cmt	15.8	Start Pump Cmt Slurry
1531	120		2	18	4	wtr	8.3	Start Displacement
1532	120		36	20	4	Mud	9.5	Start Mud
1541	0			56	-			Shut Down Plug Balancers POOH to 3650'
1545								Released for the Day

RECEIVED

OCT 23 1989

DIVISION OF
OIL, GAS & MINING

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 5

BIRCH #1-27B5 (P&A)
ALTAMONT/BLUEBELL FIELD
DUCHESNE COUNTY, UTAH
WI: 52.6050% ANR AFE: 62598
TD: 12,600'
CSG: 5" LINER @ 10,260'-12,600'
PERFS: 9,737'-12,512' (WASATCH)
CWC(M\$): \$38.5 (-\$81.6 W/SALV)

10/4/89 MIRU. Start POOH w/rods.
DC: \$3,388 TC: \$3,388

10/5/89 Fin LD rods. Rls TAC & POOH w/tbg.
DC: \$2,594 TC: \$5,982

10/6-7/89 SITP 200#. Fin POOH w/2-7/8" tbg & TAC. RIH w/7" CICR on 2-7/8" tbg & set @ 9650'. Pmp 50 sxs below CICR & 25 sxs above. Circ hole clean. POOH to 7000' & circ well w/9.5 ppg mud. Spot 40 sxs cmt plug @ 6800'-7000'. POOH to 3070'. Spot 35 sxs cmt plug @ 2930'-3070'. POOH to 400'. Spot 35 sxs cmt plug @ 200'-400'. POOH to 60'. Spot 10 sxs cmt plug @ 60'-sfc. POOH w/2-7/8" tbg. Pmp 70 sxs cmt plug between 9-5/8" x 7" csg annulus. Press tst to 600#. OK. ND BOP. Weld on DHM. P&A complete 5:00 p.m., 10/7/89.
Final report.
DC: \$3,915 TC: \$20,112

RECEIVED
OCT 23 1989

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

8

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug wells.
Use "APPLICATION FOR PERMIT—" for such purposes.)

RECEIVED
OCT 23 1989

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		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 30201-0749		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 1620' FNL & 1306' FEL, Section 27-T2S-R5W		8. FARM OR LEASE NAME Birch
14. PERMIT NO. 43-013-30197		9. WELL NO. 1-27B5
15. ELEVATIONS (Show whether SP, WT, GR, etc.) 6031' KB		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA Section 27, T2S-R5W
		12. COUNTY OR PARISH 12. STATE Duchesne 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"/>	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 checked="" 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.)*

Well plugged and abandoned 10/7/89
See attached chronological report

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS ✓	
2- MICROFILM ✓	
3- FILE ✓	

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

SIGNED Brenda W. Swank TITLE Regulatory Analyst DATE 10/19/89
Brenda W. Swank

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: ANR PRODUCTION

WELLNAME: BURCH 1-27BS API# _____

SECTION: 27 TWP: 2S RANGE: SW

INSPECTOR: GARY GARNER TIME: _____ DATE: _____

REPRESENTATIVE: BOB LEWIS PUSHER: _____

OPERATIONS: PLUGGING

SPUD DATE: _____ DEPTH: _____

DRILLING AND COMPLETIONS:

<input type="checkbox"/> APD	<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> SANITATION
<input type="checkbox"/> BOPE	<input type="checkbox"/> BLOOIE LINE	<input type="checkbox"/> H2S
<input type="checkbox"/> VENTED/FLARED	<input type="checkbox"/> RESERVE PIT	<input type="checkbox"/> FLARE PIT
<input type="checkbox"/> BURN PIT	<input type="checkbox"/> HOUSEKEEPING	

PLUGGING AND ABANDONMENTS:

PLUG TYPE	INTERVAL
<u>Cmt retainers 50/25 50/25 sks</u>	<u>9650</u>
<u>Balanced plug</u>	<u>7000 - 6800</u>
<u>Balanced plug</u>	<u>3070 - 2930</u>
<u>Balanced plug</u>	<u>400 - 200</u>
<u>surface plug</u>	<u>60 - surface.</u>

PLUGS TESTED: _____ HOW _____ WOC _____

MARKER: SURFACE PLATE

RECLAMATION:

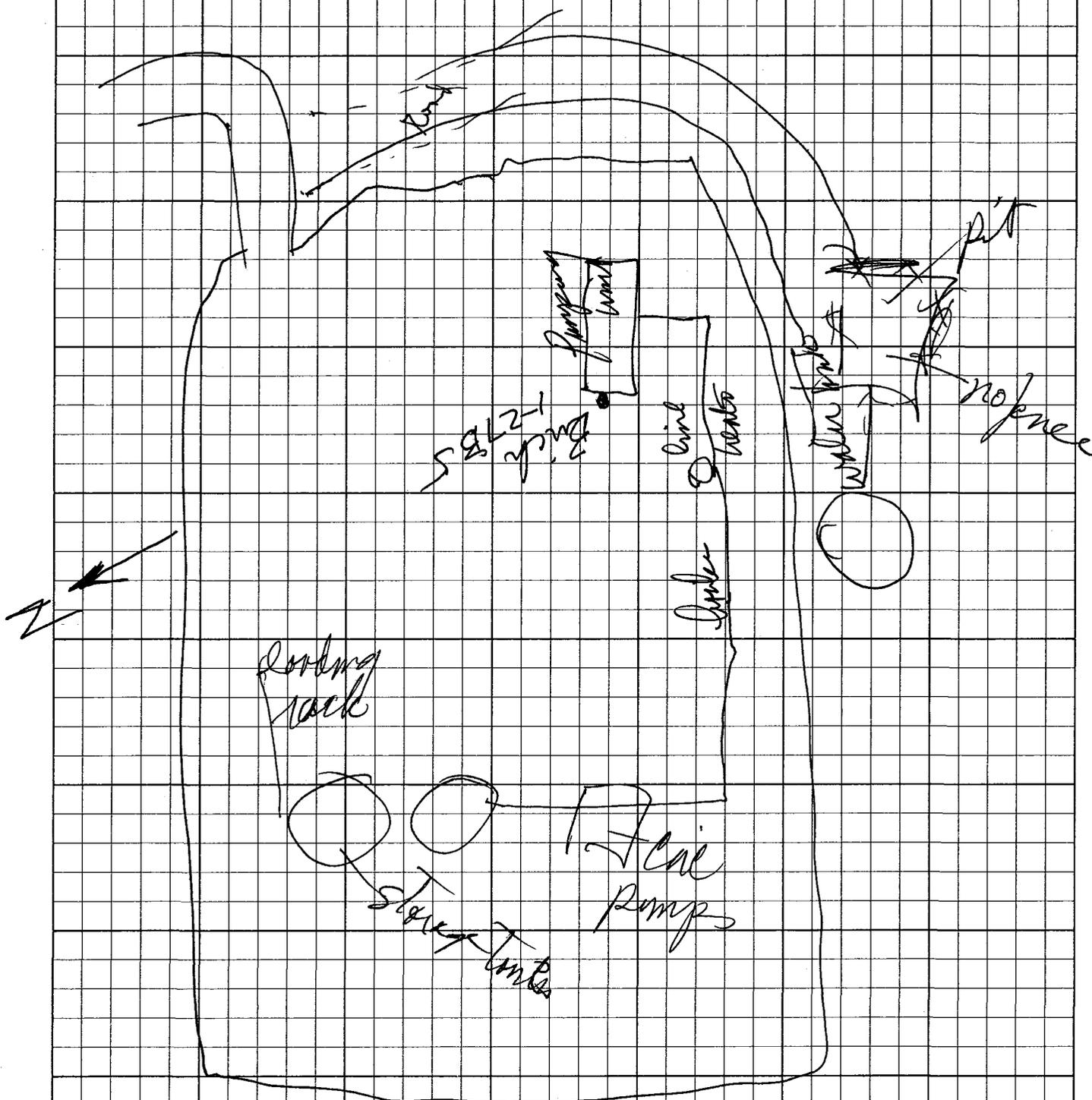
CONTOUR RIP REHAB

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS:

pumped 70 sks between 9 5/8 + 7" casing - pressure test to 600 psi - held.

APPROVED BY _____ HOW _____ DATE _____



PRODUCING STATUS: Plug & Abandon
 WELLHEAD WORKING PRESSURE: _____

RECEIVED

MAR 12 1990

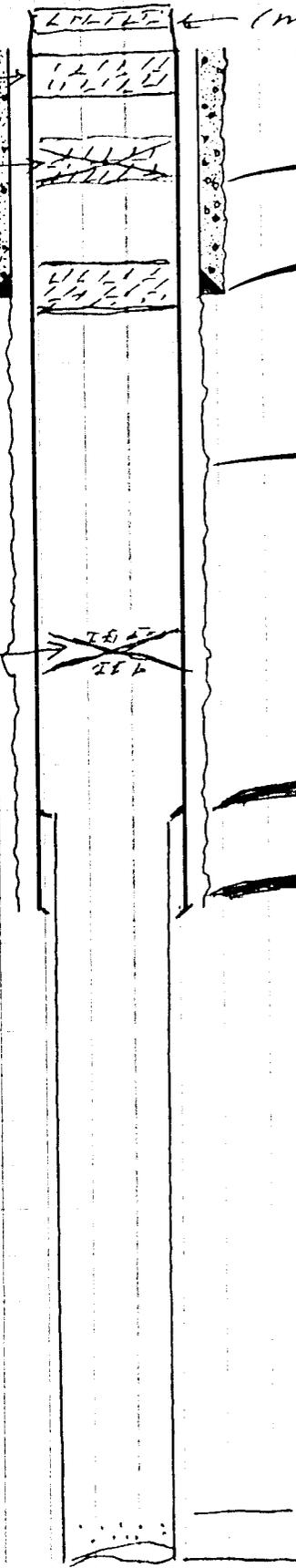
DIVISION OF
 OIL, GAS & MINING

DOWHOLE SCHEMATIC	
LEASE:	<u>Birch</u>
WELL #:	<u>1-22B5</u>
FIELD:	<u>WILKINSON</u>
LOCATION:	<u>S27 T25 R5W</u>
COUNTY/STATE:	<u>DICKENS CO. OKLA.</u>
T.D.:	<u>12600</u>
P.B.T.D.:	<u>12538</u>
PERFS:	_____
PROD. FORM(S):	<u>WASATEB</u>
DATE:	<u>3-9-90</u> BY: <u>R/L</u>

KB ELEVATION: _____
 FORM. TOPS: _____
10 & 12 dry hole plates welded on 9 5/8
cmr plug - 60' sur.

200' cmr
 plug 400-200'
 150' cmr
 plug 300'
 200' cmr
 plug 700'

cmr R&T
 @ 9650'
 753x 25/50



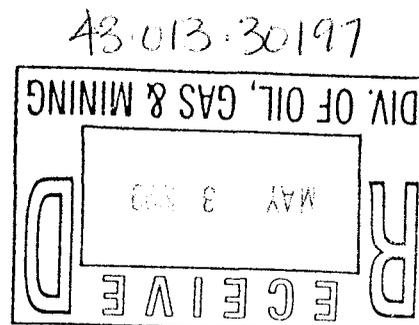
ITEM, QUANTITY, DEPTHS, GRADE, WEIGHT, CPLG, Etc.	O.D.	I.D.
HOLE SIZE: _____"		
SURFACE CASING: O.D. <u>9 5/8</u> , WEIGHT(S) <u>40</u> # GRADE(S) <u>V.55</u> , CPLG _____ SET AT <u>1990'</u> W/ _____ SX		
HOLE SIZE: _____"		
<u>5" 18# 1180 @ 10260'</u>		
<u>7" 26# 595 @ 10508'</u>		
P.B.T.D. = <u>12538</u> T.D. = <u>12600'</u>		

BARRETT RESOURCES CORPORATION



April 29, 1999

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
PO Box 145801
Salt Lake City, Utah 84114-5801
Attn: Mr. Robert J. Krueger



Re: 1999 Plugging List

Dear Mr. Krueger,

When we spoke by telephone in early April, I indicated that Barrett would be prepared by early May to submit its proposed list of Altamont-Bluebell wells to be plugged in 1999. The attached spreadsheet lists the twelve wellbores that Barrett will plug in 1999. Also attached to this letter are Sundry Notices for the plugging and abandonment procedures for the four wells over which the State of Utah has regulatory jurisdiction. There are two wells on the list that are to be plugged in association with an application that Enviro-Tec Inc. has made to establish a commercial disposal facility on an adjacent lease. The submittal of plugging Sundry Notices on those wells is being coordinated with Enviro-Tec. Plugging procedures for the remaining six wells have been or are being submitted to the Bureau of Land Management (BLM).

As we discussed, Barrett is attempting to meet its plugging obligations and satisfy the plugging requirements of each of the regulatory agencies, State, Federal, and Tribal. We are also trying to be sensitive to surface owners demands. Because of the length of the overall list of plugging obligations, Barrett is unable to address all of the obligations this year. The attached list represents our attempt to present a balanced plugging program with the funds that Barrett can allocate this year.

It is our intent to begin the plugging program within the next 4-6 weeks subject to approval of the Sundry Notices. If there are any questions regarding the attached list or plugging procedure, please call me at (303) 606-4063.

Sincerely,

Jeffrey E. Carlson
Sr. Petroleum Engineer

Enclosures

cc: Fritts Rosenberger, Merle Evers, Ted Brown, Gene Martin, Greg Davis

BARRETT RESOURCES CORP.
1999 P&A LIST

4/29/99

"43-013"

P&A LIST				LEASE	LOCATION			API NO	LAST PROD	BRC OWNERSHIP		REMARKS	
ST	FD	UT	OTH	FIELD: ABCR	1/4 1/4	T-R	SEC	WELL #	WI	NRI			
ST*				HARMSTON U 1-32A1 (SI)	NE SW	A1	32	1	30224	Mar-92	0.976992	0.845868	LEASE STATUS ?; STATE REQUEST TO P&A
ST*				URRUTY 1-34A2 (SI)	SW NE	A2	34	1	30149	Sep-83	0.969015	0.825499	LEASES LOST; STATE REQUEST TO P&A
			PR	EARL GARDNER B-1 (SI)	NE SW	B1E	9	1	30197	Jan-97	0.674063	0.514730	UTE LEASE OPTION ON 160 AC; SURF OWNER DEMANDS TO P&A
ST*				BROTHERSON 2-34B4 (SI)	NW NE	B4	34	2	30857	Oct-93	1.000000		LEASE STATUS ?; STATE REQUEST TO P&A
			PR	GERITZ MURPHY 1-6C4 (SI)	SW NE	C4	6	1	30573	May-97	1.000000	0.823783	LEASE STATUS ?; SURF OWNER DEMANDS TO P&A
ST	EPA			DUCHESNE CO 1-17C4 (LSHD)	NW NE	C4	17	1	30410	Mar-82	0.997070	0.872437	WO ASSIGNMENT TO ENVIROTEC; CONTRACT BRC TO P&A
ST*				UTE COUNTY 1-20C4 (SI)	C NE	C4	20	1	30170	Oct-80	1.000000	0.841146	LEASES LOST; STATE REQUEST TO P&A
	EPA			FORTUNE UTE FED 1-11C5 (LSHD)	SE NW	C5	11	1	30402	NA	0.986567	0.830821	WO ASSIGNMENT TO ENVIROTEC; CONTRACT BRC TO P&A
	EPA			UTE TRIBAL G SWD-1 (SI)	SW NE	C6	24	1SWD	30372	NA	0.516000	0.516000	FAILED MIT 5/97; REC'D EPA P&A DEMAND 10/98
	BLM			CEDAR RIM 13 (29C6) (SI)	SE NE	C6	29	13	30353	Jun-97	1.000000	0.793333	LEASES LOST; REC'D BLM P&A DEMAND 11/98
	BLM			CEDAR RIM 13A (29C6) (SI)	SW SE	C6	29	13A	31174	Sep-97	1.000000	0.793333	LEASES LOST; REC'D BLM P&A DEMAND 11/98
	BLM			CEDAR RIM 17 (32C6) (SI)	SW NE	C6	32	17	30385	May-97	1.000000	0.793333	LEASES LOST; REC'D BLM P&A DEMAND 11/98

TOTAL 12 WELLS