



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe, N.M.
Lease No. SF-078062
Unit Carson

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	Completion Report.....	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 22, 1962

water well
Well No. W-5 is located 2117 ft. from XXX line and 2226 ft. from E line of sec. 18

N. SE 18 25 N. 11 W. N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Disti San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

Kelly Bushing
The elevation of the ~~bottom~~ above sea level is 6398.5 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Perforated twenty-five 3/8" holes in interval 2824 to 3744'.
Spotted 2,000 gallons of inhibited 15% HCL through tubing hung at 3748'.
Sand-water fractured interval with 100,000 gallons water and 1-1/2 pounds per gallon of 10-20 sand, maximum pressure 1200 psi, rate 72 BPM.
Bailed frac sand from 3681 to 3775'. Laid down tubing.
Ran pump on 3" tubing with suction at 2783'. Started pump and pumped for 18 hours at 3025 E/D rate.
Representative rate 2730 E/D.
Refractured with 100,000 gallons water with 1-1/2 lbs. per gallon 10-20 sand.
Maximum pressure 3500 psi. Average rate 48 BPM.
Found sand at 3640. Bailed sand to 3750.
Ran pump with suction at 2783'. Pumped 3600 E/D rate.
Representative rate 2750 E/D.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address Post Office Box 1200

Farmington, New Mexico

Original Signed By
W. M. MARSHALL

By W. M. Marshall

Title Division Exploitation Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42 k1424

5. LEASE DESIGNATION AND SERIAL NO.
E. W. Mudge No. 2
SF 078062
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Fresh Water Source		7. UNIT AGREEMENT NAME Carson Unit	
2. NAME OF OPERATOR Shell Oil Company		8. FARM OR LEASE NAME -	
3. ADDRESS OF OPERATOR P. O. Box 831, Houston, Texas 77001		9. WELL NO. 5-18	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2117' FSL & 2226' FEL of Sec. 18, T25N, R11W, N.M.P.M., San Juan Co., N. M.		10. FIELD AND POOL, OR WILDCAT Bisti	
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA T25N, R11W	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6396' D. F.		12. COUNTY OR PARISH San Juan	
		13. STATE N. M.	

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) Temporary Abandon <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.)*

Subject well temporarily abandoned and held pending conclusion of investigation regarding methods for additional recovery. Pertinent data given below:

- | | |
|--|---------------------------------|
| 1. Current status of well | Shut-in |
| 2. Date of last use | 1971 |
| 3. Reason for TA | Uneconomic operation |
| 4. Future plans | Reference letter of transmittal |
| 5. Approximate date of future operations | Reference letter of transmittal |



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

SIGNED A. J. Kane TITLE Division Operations Engineer DATE 10/25/74

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42 R1424.
LEASE DESIGNATION AND SERIAL NO.
E. W. Mudge No. 2
SF 078062
NAME OF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER Fresh Water Source

2. NAME OF OPERATOR
Shell Oil Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
2117' FSL & 2226' FEL of Sec 18,
T25N, R11W, NMPM, San Juan Co., N.M.

11. PERMIT NO. _____ 15. ELEVATIONS (Show whether OF, RT, GR, etc.)
6398.5' KB

7. UNIT AGREEMENT NAME
Carson Unit / 8

8. FARM OR LEASE NAME

9. WELL NO.
5 - 10

10. FIELD AND POOL, OR WELL AT
Bisti

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 18, T25N,
R11W, NMPM

12. COUNTY OR PARISH 13. STATE
San Juan N.M.

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

NOTICE OF INTENTION TO:

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

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)	<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 abandonment prognosis

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

SIGNED

R. Plauty

TITLE

Division Operations Engr.

DATE

AUG 18 1977

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: NMO&GCC w/attachment

*See Instructions on Reverse Side

Okal



1034'
71'
40.5"

Plug and Abandonment
Carson Unit 5-18 MS
Section 18, T 25 N, R 11 W
San Juan County, New Mexico

Pertinent Data

TD: 3849' PBTD: 3730'

1034' Csg. @ 71'

7" Csg. @ 3848' w/ 275 sax.

9" Hole

Elevation: 6398.5' KB

KB - GL = 9'

Permanent Datum = KB

Past and current status: Presently T.A'd
Initially pumped 3025 B.D.W.

Proposed Work: Plug and Abandon

1. Pull equipment. If tubing is opened, lower to PBTD, load hole with mud. (Add 20 sax aquagel + 1 sack Benes per 100 bbls of mud or 20 sax salt gel per 100 bbls mud).
2. Spot 200 sax Class "G" cement mixed w/1# flocele/sack over perforations and above perforations. Minimum requirements - 100' cement plug above perforations.
100' 12' lbs
3. Pull tubing.
4. Rig up casing pullers. Determine casing free point.
5. Attempt to shoot and pull casing at free point (theoretical cement top at 2020'). Top of Mancos Shale . Do not spend more than 3 hrs. on attempt to pull casing. If unable to pull any casing, go to step 3.
6. If casing is recoverable, place cement plugs by cementing through casing or running tubing inside of csg. as it is pulled. Spot Class "G" cement plugs as follows:
 - a. 150' plug across stub of 7" casing. (50' in casing, 100' in open hole)
 - b. 200' plug from top of Fruitland Coal at 1120' to 1320'.
 - c. 150' plug across base of Ojo Alamo sand at 290'. (100' below base of sand and 50' above base of sand).
 - d. 100' plug across shoe of 8-5/8" casing (30' in casing, 70' in open hole).
 - e. 10 sack plug at surface.

2824'

20'
3/8"
holes

3744'

3740'
3740'

7"
3848'
23"

7. Install permanent abandonment marker as follows:

Steel marker at least 4 inches in diameter set in concrete and extending at least 4' above mean ground level. The name and number of the well and its location (Unit letter, section, township and range) shall be welded, stamped, or otherwise permanently engraved into the metal marker.

(Continuation from Step 5)

8. Perforate 7" casing w/4 JSPP as follows:
- a. Fruitland Coal - Pictures Cliffs interval 1196' to 1191'.
 - b. Below Ojo Alamo sand from 396' to 391'.
9. Run tubing, spot a 100 sack Class "G" cement plug from 1196' to 660'.
10. Pull tubing to $\pm 400'$, close bradenhead, displace 40 sax through perforations 1196' to 1191'. WOC 2 hours.
11. Pull tubing to perforations 396' to 391'.
12. Load 7" casing with cement (\pm 40 sax) and pull tubing. With bradenhead open, displace 35 sax cement through perforations 396' to 391'.
13. Spot 10 sack plug at surface.
14. Install abandonment marker as outlined in step 7.

CAC
COC:mef

J. A. Stanzione