Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
MIMS No. 1 SF 078067

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 [XX] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME
Carson Unit

2. NAME OF OPERATOR
Shell Oil Company

8. FARM OR LEASE NAME

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

9. WELL NO.
~~13-11~~ 11-B13

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1910' FSL & 590' FWL Section 11-T25N-R12W NMPM
San Juan County, New Mexico

10. FIELD AND POOL, OR WILDCAT
Bisti

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 11-T25N-R12W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6250.7 KB

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]				

(Other) Plug back & attempt to recomp in Cliffs x Pictured

(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 Recompletion Prognosis

RECEIVED
AUG 29 1975
OIL CON. COM.
DIST. 3

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

SIGNED J. W. Dimmel TITLE Div. Opers. Engineer DATE 8/28/75

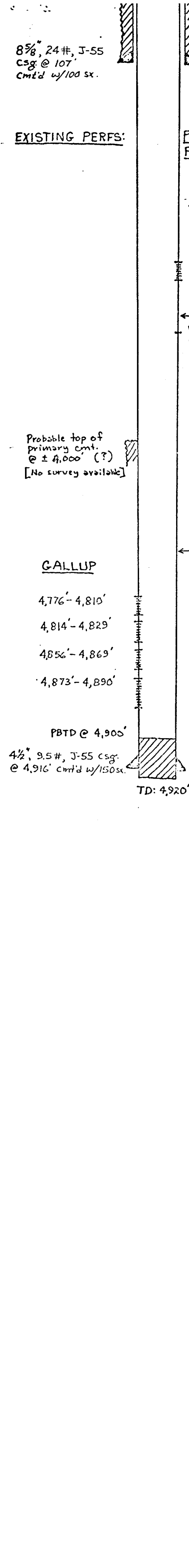
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

cc: Oil and Gas Conservation Commission - New Mexico

*See Instructions on Reverse Side



RECOMPLETION PROGNOSIS

Carson Unit 13-11
1,910' FSL & 590' FWL
Section 11, T25W, R12W NMPM
Bisti Field
San Juan County, New Mexico

PERTINENT DATA:

ELEV: 6,250.7' KB
6,249.5' DF
6,242.1 GR

KB-DF: 1.2'
KB-GR: 8.6'
TD: 4,920'
PBTD: 4,900'

Completion Date: 9-22-58
Current Prod. Interval: Gallup (4,776' to 4,890')

AFE (P&A Gallup):
EST. Cost (P&A Gallup): $12,700
AFE (Recmpln. in Pictured Cliffs): $23,000
Shell's share: 100%

Note: All depths refer to E log dated 8-24-58.

CURRENT STATUS:

TA'd

PROPOSED WORK:

P&A the Gallup prod. interval. Perforate, frac treat and test the Pictured Cliffs potential gas interval for productivity.

PROCEDURE:

1. MI & RU WOR.
2. Install and test BOP and Safety equipment.
3. Run CICR on 2-3/8" tbg. Set CICR at 4,700'.

4. Pump 100 sx. reg. cmt. with 4% gel. below retainer to squeeze Gallup perfs.

5. Unsting from ret. Pressure test casing to ± 1250 psi. Pull tubing.

6. Run GR-Neutron PDC log from 1,500' to sfc.

7. Run squeeze gun and perforate 4 opposed W.S.O. holes at 1,230'.

8. Run CICR on 2-3/8" tubing and set at ± 1,200'.

9. Attempt circulation to sfc. with mud containing 2% KaCl and 10#/1000 gal. CaCl.

10. Follow mud with 133 sx. reg. Class "A" cmt. containing 20% Diacel D followed by 70 sx. reg. Class "A" cmt. containing 4% gel and Diacel D or floseal. Cement at minimum pumping pressure required. Displace cement to tubing tail and unsting from retainer. Circulate hole with clean water containing 2% KCl and 10# CaCl per 1,000 gals. WOC 7 days.

11. Run a CBL from ± 1230' to 8-5/8" casing shoe at 107' at 0 psi. Rerun at 1,000 psi if bonding across proposed recompln. interval is doubtful.

12. Run a casing carrier gun charged with 19 gram Densi jets or DML jets and perforate the Pictured Cliffs from 1,112' to 1,136' with 4 jets/ft.

13. Run 2-3/8" tubing to ± 1,100' and swab test well until gas flow is established (if any). Obtain natural flow test if possible not to exceed 3 hours.

14. Leave tubing at ± 1,100'.

15. Rig up Dowell (et al) and Foam-Frac^{R} treat the Pictured Cliffs down the tubing and the casing simultaneously as follows:

    1.) Pump 3,000 gal. of Foam pad
    2.) Pump 2,000 gal. of Foam with 1/2 PPG 20-40 sd.
    3.) Pump 2,000 gal. of Foam with 1 PPG of 20-40 sd.
    4.) Pump 40,000 gal. of Foam with 1-1/2 PPG of 20-40 sd.
    5.) Flush to perfs.

    Note: Foam should be 70 quality (70% N_2,30% water) at BHFP conditions. Foam should contain surfactant (F52B), and water should contain 2% KCL and 10#/1,000 gal. CaCl.

    Total frac treatment is 48,000 gal. w/70,000# 20-40 sd.
    Est. pumping rate: 18 BPM.
    Est. wellhead treating pressure: 1,250 psi.

16. Swab and/or flow test to clean up to pit and establish flowing rate and FP at various choke sizes. Obtain gas sample for analysis. A test of 3 days duration may be required.

17. Shut-in well pending further work (P&A) or hook-up to gas line. Obtain SIP at various times after well is shut-in after testing.

Note: Send or contact J. R. Brew at the Houston Office (Ph. 713-220-1763) concerning test results and procedure changes which may be required during testing.

Contact B. R. Hayden at the Houston Office (Ph. 713-220-1718) for changes which may be required in the Recompln. procedure.

Frac treatment arrangements have been arranged with Dowell (Farmington, N.M.), Nowsco, and Minerals Management Inc. (Ph. 303-571-1111 in Denver....Mr. Bill Abbott or Associate). Notify Dowell (Farmington) and Minerals Management Inc. (Denver) one week in advance of recompletion as to date, timing, etc. Hershell Vaughn or Roland Blaurer with Minerals Management Inc. will go on job location.

The approval of the District Engineer, State of New Mexico is required prior to plugging back, recompleting, etc. Approval from the State is also required to test to pit and flare prod. gas.

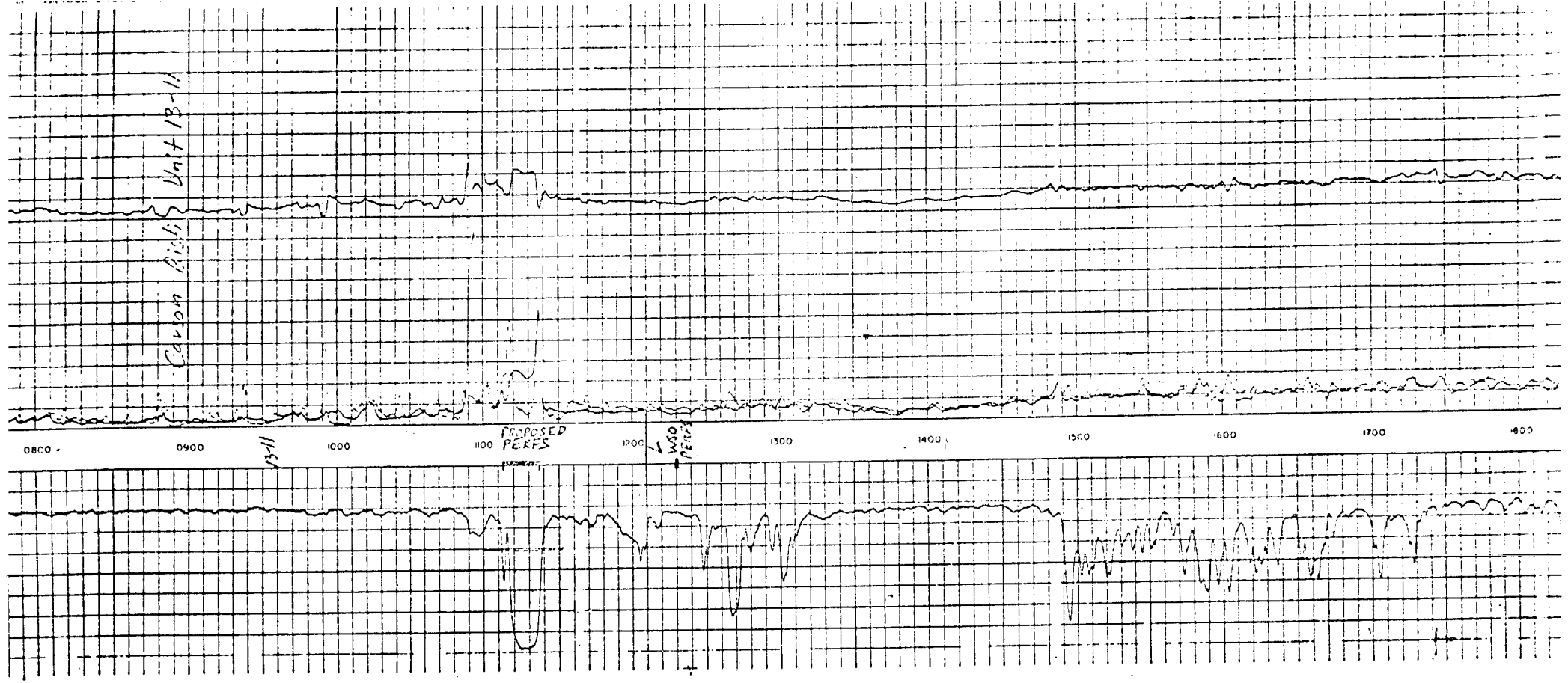
BRH:maf

Div. P.E. _____

Div. O.E. _____

Approved: _____ for JAS
Production Superintendent

Concur: _____
Production Foreman


Carson Ridge Unit 12-11
0800
0900
1000
1100
PROPOSED PERFS
1200
WOC PERFS
1300
1400
1500
1600
1700
1800