

NMOC-513

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

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. REVENUE ☐

2. NAME OF OPERATOR
SHELL WESTERN E&P INC.

3. ADDRESS OF OPERATOR
P. O. BOX 576, HOUSTON, TX 77001 (WCK 4435)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 5162' SOUTH & 2733' EAST OF NW COR SEC. 27

At top prod. interval reported below APPROX. 118' FSL & 2733' FWL SEC. 27

At total depth SAME

14. ~~XXXXXX~~ API NO. DATE ISSUED BY BLM
30-003-20017 10-20-87

15. DATE SPUDDED 12-15-87 16. DATE T.D. REACHED 1-22-88 17. DATE ~~XXXXXX~~ (P&A'D) 3-04-88

20. TOTAL DEPTH, MD & TVD 7961' 21. PLUG, BACK T.D., MD & TVD ----- 22. IF MULTIPLE COMPL., HOW MANY* -----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
NA

26. TYPE ELECTRIC AND OTHER LOGS RUN SHDT(2), CST (SIDEWALL RECORD)
LDT/CNTG/NGT(2), DLL/MSFL(2), ARRAY/STC, RFT(2), AMS, ML, DITE, CYB(2),

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	CONDUCTOR	40'			-----
11-3/4"	42#	1016'	14-3/4"	450 SX SILIC LITE + 200 SX PREM	-----

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
NA					NA		

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

33. PRODUCTION			
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)	
P&A'D			

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
NA

35. LIST OF ATTACHMENTS
INCLINATION REPORT, LOGS

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

SIGNED W.F.N. KELLDORF TITLE STAFF PRODUCTION ENGINEER DATE 4-11-88

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION				GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
SAN ANDRES	5327	5379	CORE #1: 5304' - 5308'; REC 4'	CRETACEOUS TRIASSIC SAN ANDRES GLORIETA YESO ABO PENNSYLVANIAN PRE-CAMBRIAN	3590'		
			CORE #2: 5309' - 5325'; REC 16'		4924'		
			CORE #3: 5325' - 5350'; REC 25'		5270'		
			CORE #4: 5350' - 5359'; REC 9'		5635'		
			CORE #5: 5359' - 5379'; REC 20'		5850'		
			CORE #6: 5990' - 6008'; REC 18'		7258'		
			CORE #7: 6008' - 6068'; REC 58'		7700'		
			CORE #8: 6145' - 6205'; REC 60'		7850'		
			CORE #9: 6307' - 6367'; REC 60'				
			CORE #10: 6560' - 6611'; REC 51'				
			CORE #11: 6611' - 6654'; REC 43'				
YESO	6858	7173	DST #1: IF 10M 142-345 PSI ISI 60M 1567 PSI FF 120M 397-1549 PSI FSI 180M 1564 PSI TEMP = 165°F @ 5372'				
			NO SIGNIFICANT FLOW TO SURFACE. REVERSED OUT NONFLAMMABLE, ODORLESS GAS AND ±27 BBLS WATER CUT MUD.				
			DST #2: PACKER FAILURE.				
			DST #3: PACKERS FAILED AFTER 10M INTO INITIAL FLOW PERIOD.				
			DST #4: IF 10M; ISI 60M; FF 120M 1225 - 1306 PSI; FSI 240M 2463 PSI INVALID TST; PKR LEAKING DURING TST; SEVERE PLUGGING DURING FIN FLO PRD. REC ±3 BBLS SALT CONTAMINATED DRLG MUD.				
			DST #5: COULD NOT SEAT PACKERS.				
	6776	7060	DST #6: IF 10M 121-201 PSI; ISI 60M 201-2110 PSI; FF 180M 208-567 PSI; FSI 180M 567-2195 PSI; TEMP = 200°F @ 7051'				
			NO SIGNIFICANT FLO TO SURF. REVERSED OUT SMALL AMT OF NONFLAMMABLE GAS AND REC ±15 BBLS WATER.				

CONFIDENTIAL
INFORMATION

WELL NAME & NUMBER Aspen Federal #1

LOCATION SEC. 27, T1S, R13W
(Give Unit, Section, Township and Range)

OPERATOR Shell Western E&P Inc.

DRILLING CONTRACTOR Grace Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH
200 .25	3391 .75	5340 .50	
416 0	3515 .50	5540 .75	
760 0	3640 .50	5759 .75	
1020 .25	3762 .25	5913 1.00	
1201 .50	3886 .25	5990 1.50	
1410 .25	4010 1.25	6145 1.75	
1630 .50	4134 .50	6307 1.50	
1825 .75	4260 .25	6560 2.00	
2030 .50	4380 .75	6690 1.50	
2245 .50	4556 1.00	7185 2.25	
2462 .75	4670 .50	7440 2.50	
2680 .75	4827 .75	7690 2.50	
2860 .50	4981 1.00	7961 2.75	
3077 .50	5148 1.00		
3270 .75	5304 1.00		

Drilling Contractor Grace Drilling Company

By *[Signature]*

Subscribed and sworn to before me this 16th day of March, 19 88

[Signature]
Notary Public

My Commission Expires 6/30/90

Ector County Texas