Form 3160-4
(November 1983)
(formerly 9-330)

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*

5. LEASE DESIGNATION AND SERIAL NO.: LC 032233(a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

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

7. UNIT AGREEMENT NAME: N. HOBBS (G/SA) UNIT

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

8. FARM OR LEASE NAME: SECTION 30

3. ADDRESS OF OPERATOR: P. O. BOX 991, HOUSTON, TEXAS 77001

9. WELL NO.: 332

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 2470' FSL & 1600' FEL
At top prod. interval reported below: SAME
At total depth: SAME

10. FIELD AND POOL, OR WILDCAT: HOBBS (G/SA)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SEC. 30, T18S, R38E

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
NA	10-01-84	LEA	NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
4-23-85	4-30-85	5-22-85	3649.5' GL	-----

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
4370'	------	-----	→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 4127' - 4288' (SAN ANDRES)

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: DLL/MSFL/GR, RFT, SNP/GR, BHCS/GR, CBL/VDL/CCL/GR

27. WAS WELL CORED: NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	CONDUCTOR	40'	17-1/2"	CEMENTED TO SURF W/REDIMIX	----
9-5/8"	36#	1503'	12-1/4"	400 SX LITE + 250 SX HE II	----
7"	20#	4369'	8-3/4"	500 SX LITE + 300 SX HE II	----

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	4036'	-----

31. PERFORATION RECORD (*Interval, size and number*): 4127' - 4288' (26 - ½" holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4127' - 4288'	ACIDIZED & SCALE INHIBITED W/ 3900 GALS 15% NEA + 5 DRUMS EXXON 7647 SCALE INHIBITOR

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
5-22-85	SUBMERSIBLE CENTRALIFT PUMP; LENGTH = 34'	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-03-85	24	---		116	86	522	741

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
----	30					35.0

ACCEPTED FOR RECORD
JUL 1 1985
CARLSBAD, NEW MEXICO

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): SOLD

TEST WITNESSED BY

35. LIST OF ATTACHMENTS: 3160-5, LOGS (2 SETS), INCLINATION REPORT(2)

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

SIGNED A. J. FORE TITLE SUPERVISOR REG. & PERMITS DATE JUNE 14, 1985

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

Title 18 U.S.C. Section 1001, makes it a crime for any person...

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, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
RED BEDS	0	1310	RED BEDS
RED BEDS	1310	1503	RED BEDS & ANHYDRITE
7 RIVERS	1503	3093	SALT & ANHYDRITE
QUEEN	3093	3535	SHALE & ANHYDRITE
SAN ANDRES	3535	4370	DOLOMITE

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
SALT	1548'	
YATES	2635'	
7 RIVERS	2872'	
QUEEN	3388'	
GRAYBURG	3738'	
SAN ANDRES	4018'	

INCLINATION REPORT

1 FIELD NAME

2. LEASE NAME: N. Hobbs Unit Section 30

7. RRC Lease Number, (Oil completions only)

8. Well Number: 332

3 OPERATOR: Shell Western E & P, Att: Eddie Curtis

4 ADDRESS: P. O. Box 991, Houston, Texas 77001

5 LOCATION (Section, Block, and Survey)

10. County: Lea Co. N. Mex.

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
404	404	1	1.745	7.04	7.04
898	494	1	1.745	8.62	15.66
1210	312	2-3/4	4.798	14.96	30.62
1463	253	1½	2.618	6.62	37.24
1946	483	3/4	1.309	6.32	43.56
2434	488	2	3.490	17.03	60.59
2620	186	1½	2.618	4.86	65.45
3150	530	½	.873	4.62	70.07
3602	452	3/4	1.309	5.91	75.98
4099	497	1	1.745	8.67	84.65
4330	231	1	1.745	4.03	88.68

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☐ yes ☒ no

18. Accumulative total displacement of well bore at total depth of 4330 feet = 88.68 feet.

*19. Inclination measurements were made in – ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe

20. Distance from surface location of well to the nearest lease line _____ feet.

21. Minimum distance to lease line as prescribed by field rules _____ feet.

22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? _____

(If the answer to the above question is "yes", attach written explanation of the circumstances.)

INCLINATION DATA CERTIFICATION

SUBSCRIBED and SWORN TO, before me, this the 10th day of May, A.D., 1985

My Commission expires 2/11/87

Pam J. Locklar

Pam J. Locklar, Notary Public in and for Ector County, Texas.

Signature of Authorized Representative

Ban Green, General Manager

Name of Person and Title (type or print)

Grace Drilling Company

Name of Company

Telephone: 915 337-1323
Area Code

OPERATOR CERTIFICATION

A. J. Fore

Signature of Authorized Representative

A. J. FORE, SUPERVISOR REG. & PERMITTING

Name of Person and Title (type or print)

SHELL WESTERN E&P INC.

Operator

Telephone: (713) 870-3797
Area Code

Approved By: _____ Title: _____ Date: _____

* Designates items certified by company that conducted the inclination surveys.