

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Revised Bureau No. 42-R355.5.

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.

LC-030556-B

6. IF INDIAN, ALLOTTEE, OR TRIBAL NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

New Mexico 15 Federal Unit

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

15, 23-S, 36-E

12. COUNTY OR
PARISH

Lea

13. STATE

New Mexico

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

Sun Exploration & Production Co.

3. ADDRESS OF OPERATOR

P. O. Box 1861, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

L, 1830' FSL & 990' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

8-29-88

16. DATE T.D. REACHED

1-13-89

17. DATE COMPL. (Ready to prod.)

1-13-89

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3395.4' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

16,286'

21. PLUG BACK T.D., MD & TVD

P&A'd to Surf.

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

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

Well P & A'd

25. WAS DIRECTIONAL
SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

LS Sonic, DLL-MSFL-GR, CN-LD w/GR & Caliper, DLL-GR, CBL w/GR-CCL

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"	54.5#	1400'	17-1/2"	1250 sxs C	225 sxs circ d
9-5/8"	40 & 47#	6300'	12-1/4"	2350 sxs Lite & C	300 sxs circ d

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7-5/8"	6020	12,120'	1750		None		

31. PERFORATION RECORD (Interval, size and number)

Strawn-10,278'-10,306', 1 JSPF, 29 holes
Strawn-10,278'-10,290', 1 JSPF, 13 holes
Strawn-10,202'-10,222', 1 JSPF, 21 holes
10,202'-10,222' 2500 gls 15% NEFEHCL + 6000 gls 15% XL acid

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10,278-10,306	3500 gls 15% NEFEHCL, sqzd w/ 400 sxs "H" cmt.
10,278-10,290	3300 gls 15% NEFEHCL, sqzd w/ 200 sxs "H" cmt.

33. PRODUCTION

DATE FIRST PRODUCTION

2-8-89

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

DATE OF TEST

Not tested

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

GAS—MCF.

WATER—BBL.

GAS GRAVITY-API (CORR.)

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

3160-5, Eastman Whinstock survey, Report, Logs.

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

SIGNED

Maria J. Perry

TITLE

Accountant

915 688 0375

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 28, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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.
Abo Reef	8152	9214	Coarsely xln Dolomite w/excellent inter xln porosity at 8560-8735. Samples indicate zone is salt water bearing.
Strawn	10202	10306	Dk grey to grey brown limestone, dense, poor porosity. Zone production tested oil & water at uneconomic rates.
Silurian	13935	14087	Pelletal limestone, tan, w/intergranular porosity and some mall vugs. DST 13923-14033: 6000' water cush, rec 56 bbls WC & 42 BSW. 10" IFP 2041# - ?, 60" ISIP 6395#, 90" FFP 2810-4132#, 180" FSIP 6120#

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	1216	
Tansill	2946	
Yates	3096	
Seven Rivers	3307	
Queen	3740	
Grayburg	3890	
Glorieta	5940	
Abo Reef	7924	
Abo Reef	8152	
Wolfcamp	9357	
Strawn	9888	
Atoka	10769	
Barnett	11457	
Chester	11936	
Mississippian	12182	
Woodford	12642	
Devonian	13006	
Silurian	13734	
Fusselman	14574	
Montoya	14844	
Simpson	15206	
Ellenburger	16014	

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HOBBS OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other Instructions
Reverse Side)

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

5. LEASE DESIGNATION AND SERIAL NO.

LC-039556-B

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 ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Sun Exploration & Production Co.

3. ADDRESS OF OPERATOR

P. O. Box 1861, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)

At surface

L, 1830' FSL, 990' FWL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

New Mexico 15 Federal Unit

9. WELL NO.

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10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

15,23-S,36-E

14. PERMIT NO.

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

3395,4 GR

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

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*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Commence Drlg Operations

X

(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.) *

API No. 30-025-30434

Commence Drilling Operations, Set Casing, P&A'd well,

8-29-88 Spudded @ 11:30 AM. 17-1/2" hole.

8-31-88 R&C 36 jts, 13-3/8", 54.5#, K-55, BTC Csg. CS 1400', FC 1360'. Howco cmt'd w/ 825 sxs "C", 4% gel + 2% CC + 1/4#/sk flocele, tailed w/425 sxs "C" cmt w/2% CC, FP 400-800, circ'd 225 sxs to pit, WOC 15-1/2 hrs.

9-15-88 R&C 149 jts, 9-5/8", K-55 & L-80, 40 & 47#, STC & BTC Csg. CS 6300', FC 6209', DV 4036'. Howco cmt'd 1st stage w/400 sxs Howco Lite w/5# salt + 5#/sk gilsonite, tailed w/125 sxs "C" w/5#/sx salt. PD @3:00 PM, FP 1000-1500#, Float held O.K. Opened DV tool w/1200#, circ'd 4 hrs, did not rec cmt. Cmt'd 2nd stage w/1700 sxs Howco Lite w/5#/sk salt + 5#/sk gilsonite, tailed in w/125 sxs "C" cmt w/5#/sk salt + 5#/sk gilsonite. PD @9:30 PM.

9-27-88 Drld to 10,140', seepage, spot 100 sxs "H" cmt 9121'-8776'. Tagged, drilled out cmt to 9130', no seepage.

9-29-88 Drilled to 10,526' seepage, spot 75 sxs "H" cmt 9524'-9234' also spot 125 sxs "H" cmt 9212'-8734'. Drilled cmt and continued drilling.

10-07-88 Drilled to 11,217', seepage, spot 200 sxs "H" cmt 11,100'-10,600'. Drld out cmt. Seepage, spot 150 sxs H cmt 10,845'-10,470', spot 100 sxs "H" cmt 9543'-9250', spot 100 sxs "H" cmt 9171'-8950'. Drilled out cmt to 9171', seepage, spot 100 sxs "H"

10-16-88 cmt 9243'-8950'. Drilled out cmt.

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

SIGNED

Maria L. Perez

TITLE

Accountant

DATE

3-28-89

(This space for Federal or State office use)

APPROVED BY

Sharon Sp...

TITLE

DATE

4-11-89

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

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HOBBS OFFICE

11-12-88 Ran 143 jts 7-5/8" liner. TOL 6020', BTM 12,120', 20.7#, P-110 & L-80 AB-FL4S. LS @ 12,120', FC 12,074'. Howco cmt'd w/900 sxs 50/50 poz "H", w/4% halad 322 + 5#/sk KCL, tailed by 100 sxs "H" w/.4% CFR-2 + 6% halad 322 + 5#/sk KCL.

11-13-88 EIR down lnr top @ 5 BPM, Howco sqzd w/350 sxs "H" cmt. tagged lnr top @6020',
to no cmt. EIR into lnr top @ 3 BPM @1000#, sqzd w/150 sxs "H" cmt, tailed in
11-16-88 w/250 sxs "H" cmt. Tagged cmt at 5719'. Drilled out cmt & continued drilling.
1-13-89 Drilled 6-3/4" hole to 16,286', ran logs, spot 75 sxs "H" cmt 16,142'-15,990',
to spot 100 sxs "H" cmt 15,213'-15023', tagged plug at 15,053. Spot 50 sxs "H"
cmt 14,717'-14,570. Spot 100 sxs "H" cmt 14,217'-13,856', tagged cmt @ 13,856'.
1-19-89 drilled out cmt to 14,033'
1-29-89 Spot 50 sxs "H" cmt 13,006'-12,856'. Spot 50 sxs "H" cmt 12,642'-12,492'. Spot
100 sxs "H" cmt 12,182'-11,820'. Tagged PBTd @11,807.
2-7-89 Perf'd 4-way sqz holes @ 10,400'-10,404'. Set 7-5/8" cmt ret @ 10,350', Sqzd
w/200 sxs "H" cmt, disp'd 195 sxs, rev out 5 sxs.
2-8-89 Ran temp survey, TOC @10,040'. Perf'd Strawn 10,278'-10,306', 1 JSPF, 20 holes.
2-9-89 Acdzd 10,278'-10,306' Strawn perfs w/3500 gls 15% NEFEHCL.
2-11-89 Sqzd Strawn perfs 10,278'-10,306', set CR @ 10,242' sqzd w/200 sxs "H" cmt,
unable to obtain holding sqz.
2-12-89 Stung into cmt ret at 10,242' again, sqzd w/200 sxs "H" cmt, displd 190 sxs,
dumped 5 sxs on top of cmt ret.
2-14-89 Drilled out cmt and cmt ret to 10,352'. Circd clean.
2-16-89 Perfd Strawn 10,278'-10,290'.
2-17-89 Acdzd 10,278'-10290' w/2000 gls 15% NEFEHCL.
2-22-89 Spot 1300 gls 15% NEFENCL, broke down each perf from 10,290'-10,278'.
2-25-89 Set cmt ret @ 10,250', sqzd perfs 10,278'-10,290' w/200 sxs "H", displd 195 sxs
below ret.
2-28-89 Tagged PBTd @ 10,250'. Perf'd Strawn 10,202'-10,222'.
3-1-89 Acidized 10,202'-10,222' w/2500 gls 15% NEFE HCL.
3-4-89 Acidized Strawn perfs w/6000 gls 15% XL Acid
3-17-89 Set and tagged 7-5/8" CIBP @ 10,150'. Displd hole w/9.5 ppg mud. Spot 10 sxs
to "H" cmt 10,146-10101'. Spot 25 sxs "H" cmt 6342-6227'. Spot 30 sxs "H" cmt
3060'-2977'. Spot 45 sxs "H" cmt 1511-1379'. Spot 20 sxs "H" cmt 30' to surf.
3-21-89 Well P & A'd