

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesa, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

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☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address: OXY USA Inc. P.O. Box 50250 Midland, TX 79710		¹ OGRID Number 16696
		¹ API Number 30 - 0 15-20401
¹ Property Code 008638	¹ Property Name Spencer A	¹ Well No. 1

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
0	30	22S	27E		660	South	1980	East	Eddy

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
⁹ Proposed Pool 1 Wildcat					¹⁰ Proposed Pool 2				

¹¹ Work Type Code Plugback	¹² Well Type Code Oil	¹³ Cable/Rotary N/A	¹⁴ Lease Type Code Fee	¹⁵ Ground Level Elevation 3184'
¹⁶ Multiple N/A	¹⁷ Proposed Depth 7500'	¹⁸ Formation Bone Springs	¹⁹ Contractor N/A	²⁰ Spud Date 6/5/95

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	353'	380	Surface-Circ
12 1/4"	9 5/8"	36-40#	5299'	2160	" "
8 3/4"	7"	23-26#	10609'	380	TS-7800'
6 3/4"	5"	18#	10504-11808'	110	10504'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

TD - 11820' PBD - 10355' Perfs - 10323'-10331'

It is proposed to Plug the Carlsbad Strawn, South (74120) and test the Bone Springs Sand as follows:

See other side

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

David Stewart

Title:

Regulatory Analyst

Date:

5/30/95

Phone:

915-685-5717

OIL CONSERVATION DIVISION

Approved by:

Title:

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Approval Date:

JUN 2 1995

Expiration Date:

Conditions of Approval:

Attached ☐

MIRO rig. Kill well w/2-3/8" RIH. Run casing w/10 ppg cement. BOP's.

2. Release Baker Lok-Set at 10,275'. POOH & LD tbg. RU WL and RIH w/7" CIBP. Set CIBP at 10,275'.
3. ND BOP's. ND WH. Spear casing and pull or jack csg off slips.
 - a) Landing jt is 7" 23#/ft N80. Max pull on csg = 309K. or 70% of joint yield.
4. RU WL and run free point. If casing is free to 7200', dump bail cmt on top of CIBP at 10,275'. TIH w/open-ended tbg and displace hole from 10,275' to 7500' w/100 bbls of 8.6 ppg plug mud. POOH w/tbg. RU WL and set another 7" CIBP at 7500' and dump 35' of cmt on top.
 - a) If casing is stuck over lowermost zone of interest from $\pm 6870'$ to 7025', it will be necessary to restore production from the Strawn. Upon Midland's approval, ND hyd. BOP's, land casing and set slips. NU WH. NU manual BOP's. TIH w/6" bit and 6 4-3/4" DC's and DO CIBP. Run production string and swab well in. PWOL.
5. RU choke manifold on annulus. NU 11" 5M Double hydraulic BOP's w/7" pipe and blind rams. PU 7" jet cutter and cut csg at 7200'. NU 7" swage and attempt to break circulation. Circulate hole w/ ± 8.6 ppg LSND FW mud.
 - a) Csg wt in air = 174K, with bouyancy ~ 153K.
6. POOH w/csg. Have csg inspected on racks. End inspection w/threads should be sufficient. Body should be visually inspected. If csg is pitted, or it appears that most of the string will be culled, plan on running new 5-1/2", 15.5#, K-55.
7. RU Schlumberger and run CNL/GR/Cal from 7150' to 5300' (as per geologist's recommendations). POOH and PU rotary sidewall coring tool and take sidewall cores as per geologist's recommendations. POOH & RD WL. Wait on core analysis (12 to 24hrs). TIH w/8-3/4" bit and 6" DC's on 3-1/2" WS and condition hole.
 - a) Wiper trip should be done at CMIC's discretion. If hole appears to be in good enough shape for cementing, it may be better to run 2-3/8" tbg in the hole for a kill string instead of picking up a 3-1/2" WS.
8. Plug well or continue with workover based on Midland's recommendation. If logs and sidewall cores look favorable, continue with step #9.
9. POOH & LD tbg. RU csg crew and run 7" csg. Run a guide shoe and float collar and 12 centralizers on csg. Land casing with last full jt (lay down old landing jt). Fill casing as necessary, but try to take advantage of bouyancy to reduce hook load while RIH.
10. Open 7" X 9-5/8" annulus and C&CM. Cement 7" csg with 150 sx of lightweight cmt followed by 155 sx of class "C" with additives (see attached cement recommendation). Displace cmt w/FW. RD cementers. Set slips & cut csg.
 - a) Enough cement should be used bring TOC to 4800'.
11. ND BOP's and NU WH. RD Pride rig. Work should go on daylight basis from this point.
12. TIH w/6-1/8" bit on 2-3/8" tbg to FC. RU service company and pump a Mr. Clean job consisting of 750 gals of Xylene followed by 200 gals water followed by 750 gals of 15% Hcl. Reverse circulate at 2 bpm. Displace Mr. Clean with clean 2% Kcl. RD service company. POOH w/tbg.
13. RU WL. Run a bond log from PBTD to 4200'. PU 4" select fire csg guns and perforate the Bone Spring Sand as per geologist's recommendation based on logs. POOH and RD WL.
14. PU 7" PPI pkr and TIH on 2-3/8" tbg. RU service company and break down perforations using 1500 gals of 7-1/2% NEFE acid. PU $\pm 50'$ above perms and set pkr. Fish RFC and SV w/sand line. RU swab and swab back load.
15. Release PPI pkr and POOH.
16. RU BJ Services. Frac well w/70,000 gals of Spectra Frac G3000 containing 145,500 lbs of 16/30 Ottawa and 60,000 lb 16/30 Super LC resin coated sand. Pump the treatment at 20-25 bpm. See BJ's recommendation. SIFN

**** Note** Frac fluid should be treated with biocide for SRB's. Be sure activator is added for RC sand.
17. Open well to frac tank and bleed pressure gradually. When well dies, RU reverse unit and pwr swivel. PU blade bit and c/o to PBTD. POOH.
18. PU Baker Lok-Set w/2-3/8" SN on 2-3/8" tbg and TIH. Circulate pkr fluid and set pkr at $\pm 5800'$.
19. RU swab and swab well in. Flow well and allow to clean up. RD&R rig. Test well through stack pack.



October 19, 1994

SPENCER A #1

Current Configuration

Elevation: 17' KB

660' FSL & 1980' FEL
Sec 30 T22S R27E
Eddy Co., New Mexico

Tubing: (Top to Bottom)

328 jts 2-3/8", 4.7#, N80 EUE 8rd
Baker FL on/off tool
7" Baker Lok-Set
WL entry guide

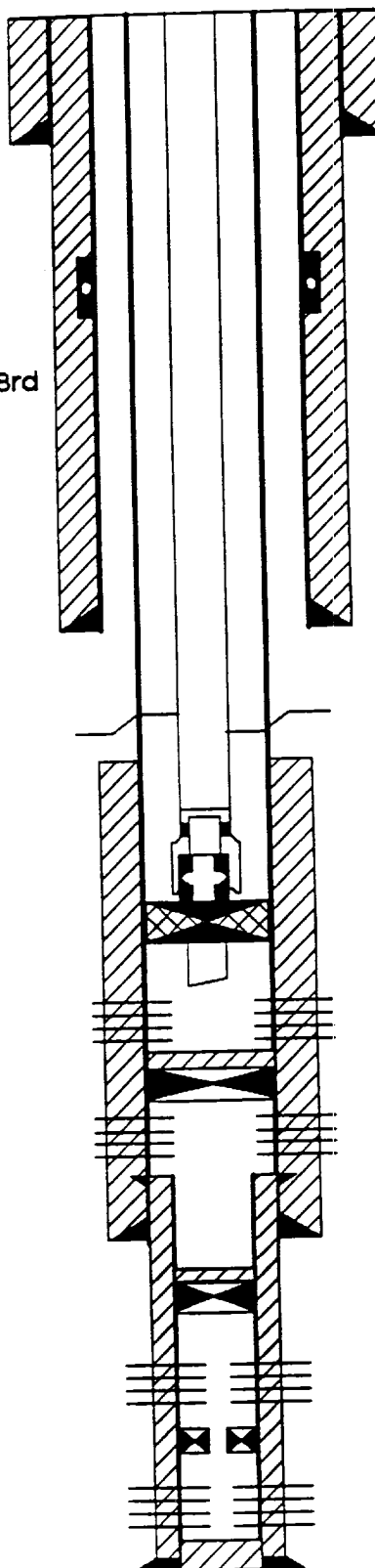
Strawn Perfs:
Upper: 10,323-31'

Lower: 10,413-29'

Morrow perfs:
Upper: 11,401-470'

Lower: 11,511-670

Prepared By: Robert Elliott



13-3/8", 48#, H-40 STC @ 353'
Cmt'd w/380 sx-circ'd

DV Tool at 1625'

9-5/8", 36 & 40#, K55 & N80
Set @ 5299'
Cmt'd w/2160 sx - circ'd

26# from 4455' to 7291'

29# from 7291' to 10,609'
TOC @ 7800' (Temp. Svy)

Baker Lok-Set @ 10,249'
Set in 6 pts tension

EOT @ 10,254'

CIBP @ 10,390' w/35' cmt

7", 29, 26 & 23#, N80 LT&C
Set at 10,609'
Cmt'd w/380 sx
CIBP @ 11,350' w/35' cmt

5", 18#, N-80 SFJP liner
Set @ 10,504' - 11,808'
Cmt'd w/110 sx
Baker Model D @ 11,490'

PBTD: 11,764'
TD: 11,820'

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-20401		Pool Code N/A	Pool Name Wildcat
Property Code 008638	Property Name Spencer A		Well Number 1
OGRID No. 16696	Operator Name OXY USA Inc.		Elevation 3184'

¹⁰ Surface Location

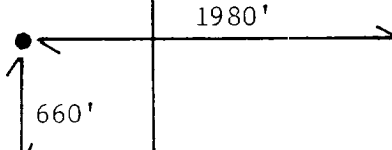

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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div>16</div> 	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <div>Signature </div> <div>Printed Name David Stewart Regulatory Analyst</div> <div>Title</div> <div>Date 5/30/95</div>			
	<div>18 SURVEYOR CERTIFICATION</div> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyer:</div>			
	<div>Certificate Number</div>			