ARTESIA, NM 68214-681 SUBMIT IN T. LICATE\*

Form 3160-3 (July 1992)

(Other instructions on reverse side) UNITED STATES

\_ DATE .

APPROVED FOR I YEARS

FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

		LAND MANAGE			J LEASE DESIGNATIO	
ADDI	NMO48344  6. IF INDIAN, ALLOTTER OR TRIBE NAM					
la. TYPE OF WORK	LICATIONTONE	Enwir 10 Dr	ILL OR DEEPEN		- G. AF ANDIAN, ALLOTT	EN OR TRIBE NAM
	RILL 🖾	DEEPEN _			7. UNIT AGREEMENT	NAME
OIL C	GAS		SINGLE TT- MILITA		<u>-</u>	2534
WELL	WELL XX OTHER	······································	BINGLE XX MULTI	PLE	6. FARM OR LEASE NAME, W	BLL NO E
	OXY USA Inc.		166	96	OXY Speed Bum	p Federal
P.O. BOX 502		70710 0250			30-015- 30	967
	50 MIDLAND, TX Report location clearly and			<del>-5717</del>	10. FIELD AND POOL,	
	FNL 810 FEL NEN		m) merce ledittements.		Empire Penn	16440
At proposed prod. ze		L (11)			11. MRC., T., E., M., OR AND SURVEY OR A	BLE. Rea
					Sec 21 T17S R	28E
	AND DIRECTION FROM NEA		rrice.	<del></del>	12. COUNTY OR PARIS	1 13 STATE
	southeast from A		<b></b>		EDDY	NM
5. DISTANCE FROM PRO LOCATION TO HEARE	ST		NO. OF ACRES IN LEASE	17. NO. C	OF ACRES ASSIGNED HIS WELL	
	rig. unit line, if any	660'	320	1011	nia WELL	320
	DRILLING, COMPLETED.	N/A	PROPOSED DEPTH	20. ROTA	BY OR CABLE TOULS	<del>-</del>
OR APPLIED FOR, ON T	thether DF, RT, GR, etc.)	N/A	10200'		R	
	, at a talk to the teach	3596'			22. APPROX. DATE W	DEE WILL START
3.			AND CEMENTING PROGRA		12/29/99	
SIZE OF ROLL	ORADE, SIZE OF CASING	WEIGHT PER POOT		- M		
17-1/2"	13-3/8" H40	48#	SETTING DEPTH	60.0	QUANTITY OF CEME	NT
11"	8-5/8" K55	32#	400' 2100'		x - Circulate	
7-7/8"	4-1/2" N80	11.6#	10200'	1	x - Circulate x - Est TOC-60	201
Och At CL	150788 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	SEE OTHER SI	DE		Post 2-18	-DO
Ŷ*				GENE SPEC	ROVAL SUBJECT ERAL REQUIREN CIAL STIPULATION CHED	MENTS AND
	BE PROPOSED PROGRAM: If runent data on subsurface location	proposal is to deepen, give ns and measured and true v	data on present productive zone entical depths. Give blowout preve	and proposed nter program,	new productive zone. If p	roposal is to drill
7.	21		DAVID STEWART			
SIGNED	8W	TIT1.E_	REGULATORY ANALY	ST	DATE 12/3	59
(This space for Fed	derai or State office use)			<del>1</del>		
PERMIT No.	<del></del>		APPROVAL DATE			
Application approval doe	s not warrant or certify that the ap	plicant holds legal or equitat	ole title to those rights in the subject	iense which wo	ould entitle the applicant to m	Oduct operations to
CONDITIONS OF APPROV	AL IF ANY	Act	ing Assistant Field	Manag		
$i_{i} \in \mathcal{I}$	<sub>and</sub> and a second to the sec		Lands And Min	erals	•	

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001 makes in a commo for day person knowledge and willings

ATTACHMENT 3160-3 OXY USA Inc. OXY Speed Bump Federal #1 SEC 21 T17S R28E Eddy County, NM

PROPOSED TD:

10200' TVD

BOP PROGRAM:

0' - 400' None

400' - 2100'

11" 5M blind and pipe rams with 5M annular

preventer.

2100' - 10200' 11" 5M blind pipe rams with 5M annular

preventer and rotating head below 8500'.

CASING:

13-3/8" OD 48# H40 ST&C new casing set at 400' Surface:

Intermediate: 8-5/8" OD 32# K55 SM&C new casing from 0-2100'

Production: 4-1/2" OD 11.6# N80 LT&C new casing from 0-10200'

CEMENT:

Surface - Circulate cement with 160sx 35:65 POZ/C with 6% Bentonite + 2% CaCl<sub>2</sub> + .25#/sx Cello-Seal followed by 200sx Cl C with 2% CaCl<sub>2</sub>.

Intermediate - Circulate cement with 315sx 35:65 POZ/C with 6% Bentonite + 2%  $CaCl_2$  + .25#/sx Cello-Seal + 5#/sx Gilsonitefollowed by 200sx Cl C with 2% CaCl2.

Production - Cement with 750sx 15:61:11 POZ/C/CSE with .5% FL-52 + .5% FL-25 + 8#/sx Gil:sonite followed by 75sx Cl C with .7% FL-25.

Estimated top of cement is 6000'.

Note: Cement volumes may need to be adjusted to hole caliper.

MUD:

0 - 400'Fresh water/native mud. Lime for pH control

> (9-10). Paper for seepage. Wt 8.7-9.2 ppg, Vis 32-34 sec

400' - 2100' Fresh/\*Brine water. Lime for pH control

(10.0-10.5). Faper for seepage.

Wt 8.3-9.0/10.0-10.1ppg, Vis 28-29 sec

\*Fresh water will be used unless chlorides in

the mud system increase to 20000PPM.

Fresh water. Lime for pH control(9-9.5).

Paper for seepage.

Wt 8.3-8.5 ppg, Vis 28-29 sec

Cut brine. Lime for pH control (10-10.5).

Wt 9.6-10.0 ppg, Vis 28-29sec

Mud up with an Duo Vis/Flo Trol mud system. Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc

2100' - 6900' WECEINED WASSO **64**00' - 9300' 9700' - 10200' DISTRICT I P.O. Box 1980, Hobbs, NM 88240

#### State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artemia, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT III

# OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

30-015-	<b>Pool Code</b> 76440	Pool Name Empire Penn		
Property Code	Property OXY SPEEDBU		Well Number	
16696	Operator OXY USA	Name A INC.	Elevation 3596'	

#### Surface Location

ĺ	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
l	Α	21	17 S	28 E		660	NORTH	810	EAST	EDDY

### Bottom Hole Location If Different From Surface

UL or lot Na.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill Co	onsolidation	Code Ore	der No.				

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

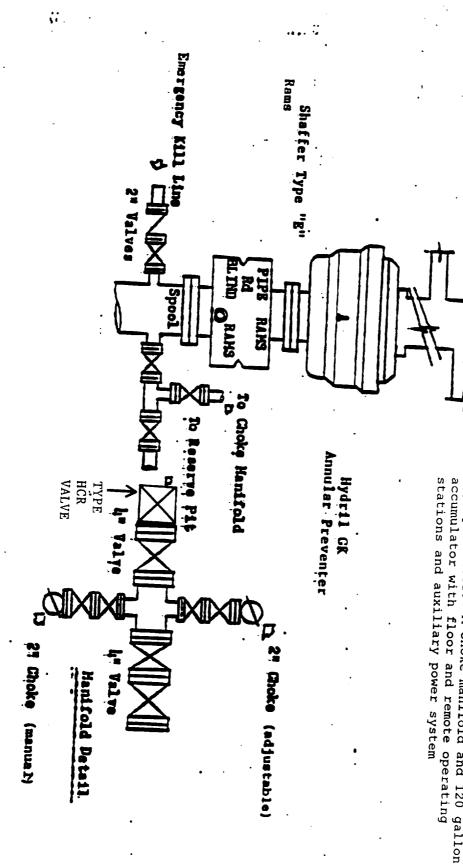
	A 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		
		3590.3'	OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
		3603.1' 3580.8' 	Signature David Stewart
		  LAT	Printed Name Regulatory Analyst Title
	OXY P.I.B. Fed- 30-015 <sup>©</sup> 30527	_	Date  SURVEYOR CERTIFICATION
	Empire Barnett	Poo1	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 supervison and that the same is true and correct to the best of my belief.
	   		November 08, 1999  Date Survey Signature & Start of Professional Surveyor  Professional Surveyor
	   		3 (17077 ) Shim
			Certific ic No Cory What 7977



type preventer.

rams and one set pipe rams and a 5000# annular 11" 5000# ram type preventers with one set blind

A choke manifold and 120 gallon



Choks Hantfold