Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

WELL API NO. 30-015-40820	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. B0-1969	
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" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☐ Gas Well ☐ Other SWD	7. Lease Name or Unit Agreement Name PIGLET STATE SWD 8. Well Number #1
2. Name of Operator OCCIDENTAL PERMIAN LTD	9. OGRID Number 157984
3. Address of Operator PO BOX 4294; HOUSTON, TX 77210	10. Pool name or Wildcat SWD; CISCO-CANYON (96186)
4. Well Location Unit Letter J : feet from the line and feet from the line Section Township Range NMPM County	
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Occidental Permian LTD request to make changes to the propsed drilling plan for the above mentioned well. Please see the attached documents that will outline the changes. If you have any questions or need any additional information, please feel free to contact us at any time.

CHANGE CASING (hole size) + cement program

RECEIVED
NOV 13 2012
NMOCD ARTESIA

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

SIGNATURE _____ TITLE Regulatory Analyst DATE 11/09/2012

Type or print name Jennifer Duarte E-mail address: jennifer_duarte@oxy.com PHONE: 713-513-6640

For State Use Only

APPROVED BY: T. C. Shaffner TITLE Geologist DATE 12/19/2012

Conditions of Approval (if any):

OXY USA Inc
Piglet State SWD 1
Sundry Information

OPERATOR NAME / NUMBER: OCCIDENTAL PERMIAN LIMITED PARTNERSHIP

LEASE NAME / NUMBER: Piglet State SWD 1

STATE: NM **COUNTY: Eddy**

SURFACE LOCATION: **2270' FSL** & **2016' FEL**, Sec **21**, T**17S**, R**28E**

C-102 PLAT APPROX GR ELEV: 3653.5'

EST KB ELEV: 3670' (16.5' KB)

1. **SUMMARY OF CHANGES**
   - **a.** Changed the casing program/hole sizes to allow us to drill with a smaller rig (Flex 4, H&P 344).
   - **b.** Adjusted cement program with smaller casing sizes/hole sizes.
   - **c.** We will install our BOPE for the Intermediate Secion instead of having to use a diverter.
   - **d.** Mud Logging: Intermediate (2100') to TD (9500').
   - **e.** Two Open Hole Logs as follows: Open Hole Triple Combo – Intermediate Hole Section (2100') to TD (7950'). Open Hole Triple Combo – Open Hole Section (7950') to TD (9500').

2. **CASING PROGRAM (All casing is in NEW CONDITION)**

Surface Casing: 11.75" casing set at ± 500' MD/ 500' TVD in a 14.75" hole filled with 8.4 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	**SF Coll**	**SF Burst**	**SF Ten**
0'- 500'	500'	42	H-40	ST&C	1070	1980	307	11.084	10.928	7.94	2.80	20.97

Intermediate Casing: 9.625" casing set at ± 2100' MD/ 2100' TVD in a 10.625" hole filled with 10 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	**SF Coll**	**SF Burst**	**SF Ten**
0'- 2100'	2100'	36	J-55	Ult-FJ	2020	3520	523.2	8.842	8.75	2.86	2.68	3.19

Production Casing: 7.625" casing set at ± 7950'MD / 7950'TVD in a 8.75" hole filled with 9.2 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	**SF Coll**	**SF Burst**	**SF Ten**
0'- 7950'	7950'	26.4	L-80	Ult-FJ	3400	6020	424	6.975	6.844	1.84	3.80	1.51

Collapse and burst loads calculated using Stress Check with actual anticipated loads.

Open Hole: 6.75" hole filled with 9.2 ppg mud from **±7950'- ±9500'** the wellbore will be exposed. (Open Hole Completion). Before moving the rig, a second barrier will be installed in the well.

3. CEMENT PROGRAM:

Surface Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft^3/sk	24 Hr Comp
Surface (TOC: 0' – 500')							
Tail: 0' – 500' (150% Excess)	430	500'	Premium Plus Cement: 94 lbm/sk Premium Plus Cement, 2 % Calcium Chloride - Flake	6.39	14.8	1.35	2500 psi

Intermediate Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft^3/sk	24 Hr Comp
Intermediate (TOC: 0' - 2100')							
Lead: 0' – 1600' (150 % Excess)	210	1600'	Halliburton Light Premium Plus with 5% Salt, 3 lbm/sk Kol-Seal 0.125 lb/sx Poly-E-Flake	9.95	12.9	1.89	530 psi
Tail: 1600' - 2100' 150 % Excess)	150	500'	50/50 Poz Premium Plus with 3% Salt, 0.4% Halad®-322, 0.125 lbm/sk Poly-E-Flake	5.64	14.5	1.24	1045 psi

Production Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft^3/sk	24 Hr Comp
Production (TOC: 1600' - 7950')							
Lead: 0' – 6230' (65 % Excess)	380	6230'	Interfill H: 2 lbm/sk Kol-Seal, 0.3% CFR-3	14.34	11.9	2.50	509 psi
Tail: 6230' – 7950' (65 % Excess)	190	1720'	Super H Cement with 0.4% Halad®-322, 0.3% CFR-3, 2 lbm/sk Kol-Seal, 1 lbm/sk Salt, 0.2% HR-601	5.69	14.5	1.25	1044 psi

Description of Cement Additives: Cal-Seal 60 (Accelerator), Poly-E-Flake (Lost Circulation Additive), Kol-Seal (Lost Circulation Additive), Calcium Chloride - Flake (Accelerator), CFR-3 (Dispersant), Halad®-322 (Low Fluid Loss Control), HR-601 (Retarder)

PRESSURE CONTROL EQUIPMENT

Surface: 0' – 500' None.

Intermediate: 500' – 2100' the minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required to drill below the surface casing shoe shall be 3000 (3M) psi. Operator will be using an 11" 5M two ram stack w/ 3M annular preventer, & 3M Choke Manifold.

a. The 11" 3000 psi blowout prevention equipment will be installed and operational after setting the 11 3/4" surface casing and the 11 ¾" SOW x 13 5/8" 3K conventional wellhead; the rotating head body will be installed but the rubber will be installed when it becomes operationally necessary.

b. The BOP and ancillary BOPE will be tested by a third party upon installation to the 11 3/4"H-40 42ppf surface casing. All equipment will be tested to 250/1386 (70% of casing burst) psi for 30 minutes with

third party and charted. This is to be in compliance with the Onshore Order # 2 which states the BOPE shall be tested to 70 % of the yield of the casing when the BOP and casing are not isolated.

Production: 2100' - 9500' Production hole will be drilled be drilled with a 11" 5M two ram stack w/ 3M annular preventer, & 5M Choke Manifold.

a. The BOP and ancillary BOPE will be tested by a third party upon installation to the 9 5/8" intermediate casing at 2100'. All equipment will be tested to 3000 psi (high) and 250 psi (low) except the annular, which will be tested to 70% of its rated working pressure (high) and also to 250 psi (low). All test will performed with the implementation of a test type plug.

b. The pipe rams will be functionally tested during each 24 hour period; the blind rams will be functionally tested on each trip out of the hole. These functional tests will be documented on the Daily Driller's Log. Other accessory equipment (BOPE) will include a safety valve and subs as needed to fit all drill strings, and a 2" kill line and 3 " choke line having a 5000 psi WP rating. Oxy requests that the system be tested at 5,000 psi.

c. Oxy requests a variance if H&P 344 is used to drill this well to use a co-flex line between the BOP and choke manifold. See attached schematic.
Manufacturer: ContiTech Beattie Co.
Serial Number: 60220
Length: 25' Size: 3" Ends: flanges
WP rating: 5000 psi Anchors required by manufacturer: No

d. See attached BOP & Choke manifold diagrams.

4. LOGGING / CORING AND TESTING PROGRAM:

A. Mud Logging: Intermediate (2100') to TD (9500').

B. DST's: None.

C. Open Hole Logs as follows: Open Hole Triple Combo – Intermediate Hole Section (2100') to TD (7950').
Open Hole Triple Combo – Open Hole Section (7950') to TD (9500').

5. POTENTIAL HAZARDS:

A. H2S detection equipment will be in operation after drilling out the surface casing shoe until the production casing has been cemented. Breathing equipment will be on location from drilling out the surface shoe until production casing is cemented. If H2S is encountered the operator will comply with Onshore Order #6.

B. The bottomhole pressure is anticipated to be **4275 psi**.

C. No abnormal temperatures or pressures are anticipated. **The highest anticipated pressure gradient is 0.45 psi/ft.** All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.