

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

Form C-103
Revised August 1, 2011

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

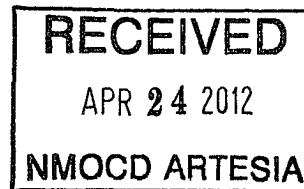
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)		WELL API NO. 30-015-39500
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator OXY USA WTP LP		6. State Oil & Gas Lease No. BO-1969
3. Address of Operator PO BOX 4294; HOUSTON, TX 77210		7. Lease Name or Unit Agreement Name PIGLET 21 STATE
4. Well Location Unit Letter <u>N</u> : 587 feet from the <u>S</u> line and 2217 feet from the <u>W</u> line Section <u>21</u> Township <u>17S</u> Range <u>28E</u> NMPM County <u>EDDY</u>		8. Well Number #5
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3610'		9. OGRID Number 192463
		10. Pool name or Wildcat ARTESIA, GLORIETA-YESO (O) - 96830

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: <u>Perf + frac</u> ☒	

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.

PLEASE SEE ATTACHMENT



Spud Date:

Rig Release Date:

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

SIGNATURE Jennifer Duarte TITLE REGULATORY ANALYST DATE 04/19/2012

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

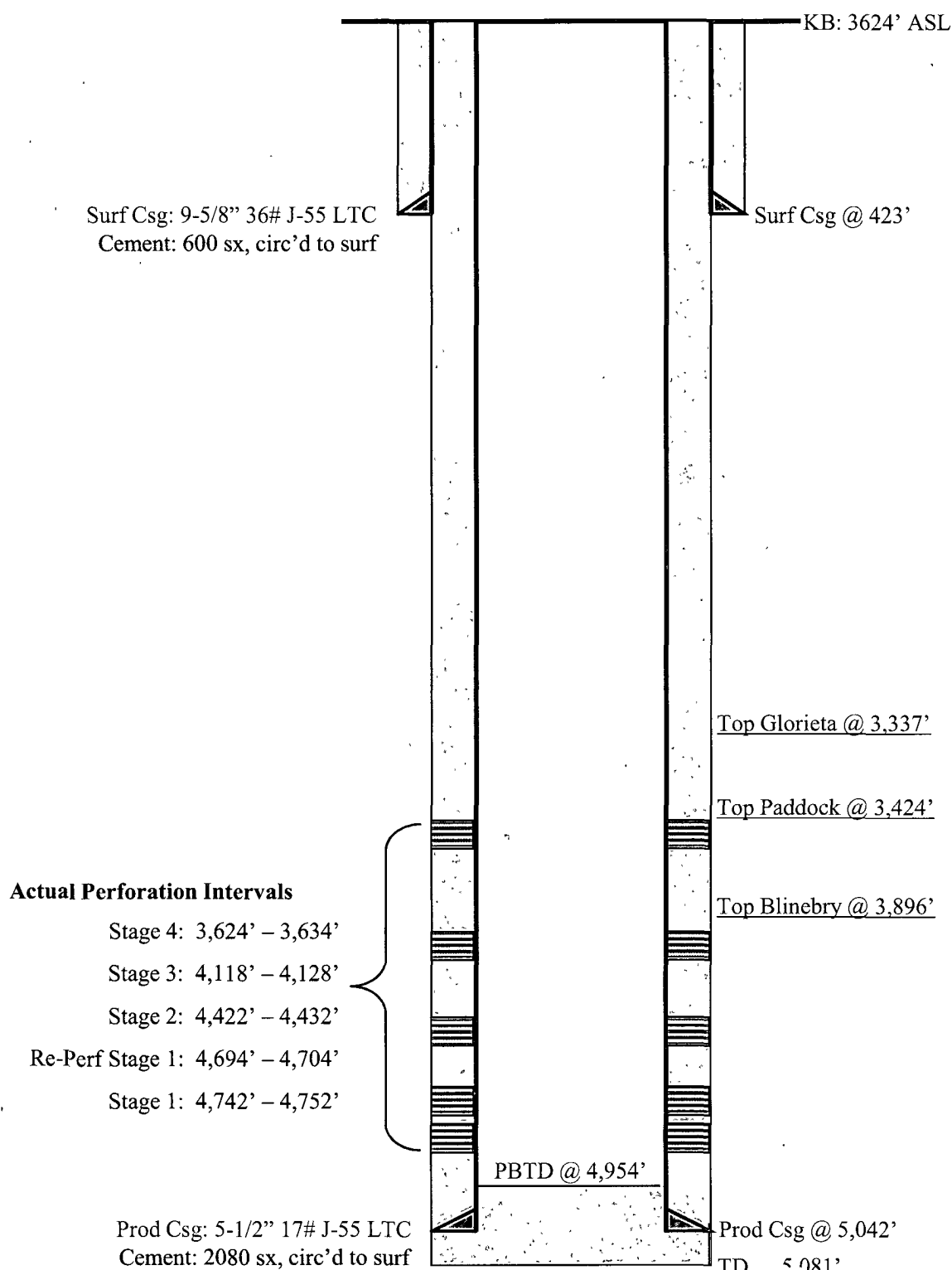
For State Use Only

APPROVED BY LR Dade TITLE Dist. J. Spewer DATE 04/27/2012

Conditions of Approval (if any):

Occidental Oil & Gas Corp – Permian Primary – North NM/Terrell RMT

Well: Piglet 21 State #5		API: 30-015-39500	
State: New Mexico	County: Eddy	T18S R28E, Sec 21	587' FSL & 2217' FWL
Field: Empire	TD: 5,081'	PBTD: 4,954'	KB: 3,624' ASL
Casing Size:	Grade/Weight:	Depth:	Cement:
9-5/8"	J-55 LTC / 36#	423'	600 sx, circ'd to surf
5-1/2"	J-55 LTC / 17#	5,042'	2080 sx, circ'd to surf



Piglet 21 State #5

Frac Details:

Stage #1:

- Perforation Gun: 4" PowerJet Omega SLB gun w/ 38.8 gm charges, 0.48" EHD and 51.7" penetration @ 5 SPF on 72 degree phasing).
- Perforations: 4,742'-4,752'
- Re-perforations: 4,694'-4,704'
- 20# Cross Linked Gel: 184,611 gals
- 20# Linear Gel: 19,992 gals
- 15% HCl Acid: 4,187 gals
- Sand: 181,000 lbs 16/30 Siberprop

Stage #2:

- Perforation Gun: 4" PowerJet Omega SLB gun w/ 38.8 gm charges, 0.48" EHD and 51.7" penetration @ 5 SPF on 72 degree phasing).
- Perforations: 4,422'-4,432'
- Re-perforations: NA
- 20# Cross Linked Gel: 157,920 gals
- 20# Linear Gel: 9,034 gals
- 15% HCl Acid: 2,474 gals
- Sand: 180,800 lbs 16/30 Siberprop

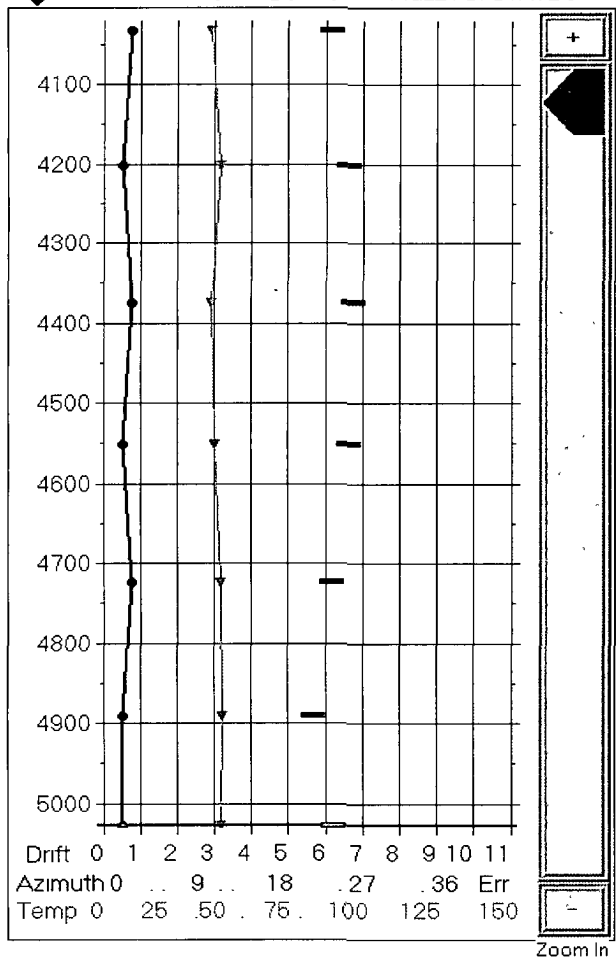
Stage #3:

- Perforation Gun: 4" PowerJet Omega SLB gun w/ 38.8 gm charges, 0.48" EHD and 51.7" penetration @ 5 SPF on 72 degree phasing).
- Perforations: 4,118'-4,128'
- Re-perforations: NA
- 20# Cross Linked Gel: 152,586 gals
- 20# Linear Gel: 9,996 gals
- 15% HCl Acid: 2,856 gals (mistyped below)
- Sand: 179,700 lbs 16/30 Siberprop

Stage #4:

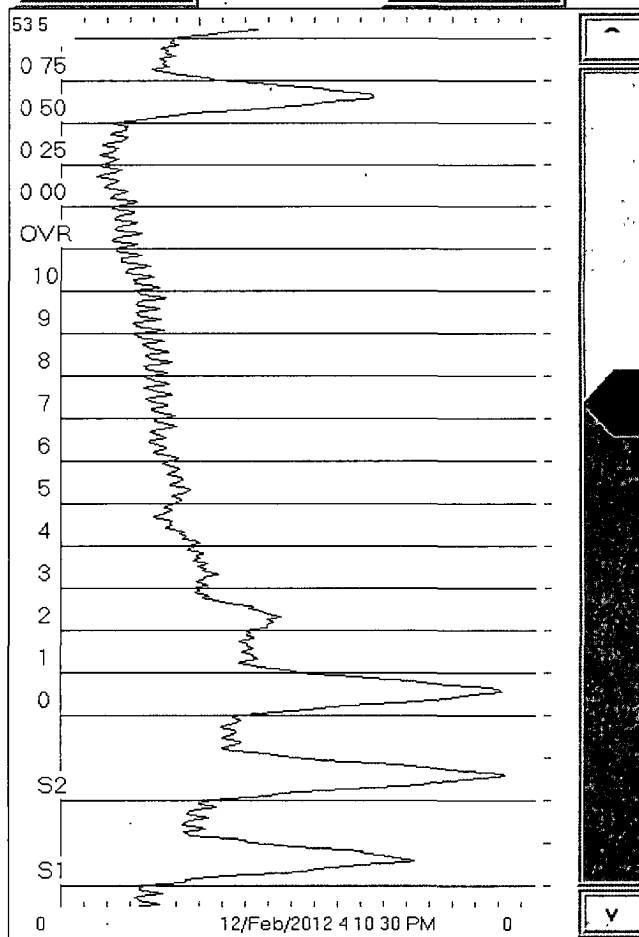
- Perforation Gun: 4" PowerJet Omega SLB gun w/ 38.8 gm charges, 0.48" EHD and 51.7" penetration @ 5 SPF on 72 degree phasing).
- Perforations: 3,624'-3,634'
- Re-perforations: NA
- 20# Cross Linked Gel: 154,552 gals
- 20# Linear Gel: 7,501 gals
- 15% HCl Acid: 2,709 gals
- Sand: 179,600 lbs 16/30 Siberprop

Depth Log (Feet) PIGLET 21 STATE 5



Retest Survey

Find Survey



Temperature

44

Azimuth (TRUE)

224.2

Drift

0.5

Depth (Feet)

5030

IDLE

0

OPTION

(c) 2006 Weatherford

Logging Program System Parameters

13/Feb/2012

Well Name

PIGLET 21 STATE 5

File Size (KBytes)

768

Legal SubDivision

PIGLET 21 STATE 5

Notes

MATT KING

AFE #

1140873

Apply ambient pressure to transducer and press Calibrate

Client Name

OXY

Creation Date

07/Feb/2012

Service Order #

4025530

14340

CSS #

ASK 3295

Calibrate

DMT #

AMS 098

Battery #

403158646/39D

Filter Size

600

Pulser #

4C4E 127

Declination

72

Transducer #

5K HAMMER UNION

Azimuth Pulse Period

1000

mSec

Pump On Pressure

150

Survey Duration

131

Sec

Baseline Pressure

1680

Time Till Autostart

30

Sec

Pulse Range

170

Pump Off Time

95

Sec

Pressure Transducer Full Scale Pressure

5000

Error Msg Timeout

300

Sec

Time of Day (HR MIN)

19:17

Acquisition Options

☒ A/D Enabled

☐ Wrap Data Continuously

☐ Automatic Filtering

Depth Scale

☐ Meters

☒ Feet

Pressure Scale

☒ PSI

☐ kPascals

☐ BAR

Tool Type

☐ DMT 3500

☒ AMS 2000

RESTART

CLR LOG

DOWNLOAD

CANCEL

OPTION

(c) 2006 Weatherford Canada Partnership

F:\DMTData\PIGLET 21 STATE 5\PIGLET 21 STATE 5.txt

Depthlog Information

Data File Version: 14

Logfile created with DMT Surface Plotter Rev W2.01g

Legal Subdivision: PIGLET 21 STATE 5

Well Name: PIGLET 21 STATE 5

AFE Number: 1140873

Creation Date: 07/02/12 00:00:07

Number of Surveys: 32

Service Order Number: 4025530

CSS Number: ASK 3295

DMT Number: AMS 098

Battery Number: 403158646/39DL

Pulser Number: 4C4E 127

Client Name: OXY

Deepest Entry: 5030

Depth is measured in : FEET

Pulse Range: 1850 PSI

Baseline Pressure: 1680 PSI

Full Scale Pressure: 5000 PSI

Client used: PSI

File Size (KBytes): 768

Survey Comment: "MATT KING"

Transducer Calibration Value: 14340 A/D Counts

Transducer Number: 5K HAMMER UNION

Pump Timeout Delay: 95

System Timeout Delay: 30

Tool Type: AMS 2000

Declination: 7.2

Azimuth Pulse Period: 1000

Azimuth Pulse Width: 500

Histogram Filter Size: 600

Hardware AtoD Rate: 1000 Samples/Sec

Software AtoD Usage Rate: 1000 Samples/Sec

Azimuth Error Codes

Azimuth > 360 is invalid angle or error code.

Error 420 -- MAG FP Number Overrange

Error 421 -- Missing Drift Start Bits

Error 422 -- Missing Drift Angle Bits

Error 423 -- Missing Drift Fraction Bits

Error 424 -- Multiple Drift Angle Bits

Error 425 -- Stuff Bit Error

Error 430 -- Missing Azimuth Stop bit.

Error 431 -- Missing Azimuth Start Bit.

Error 435 -- Parity Error.

Error 440 -- QFLEX Drift Angle too high.

Error 450 -- QFLEX EEROM Parity Error.

Error 460 -- Azimuth Angle too high.

Error 461 -- Temperature Value too high.

Date	Time	Depth	Drift	Azimuth[T]	Temperature	Record#
07/02/12	20:48:07	332	1.50	349.2	15	3
08/02/12	06:44:08	736	1.50	26.2	14	4
08/02/12	08:14:08	786	1.00	240.2	30	5
08/02/12	10:49:08	893	1.00	240.2	30	6
08/02/12	13:08:08	1054	1.00	234.2	32	7
08/02/12	15:18:08	1182	0.75	221.2	36	9
08/02/12	16:23:08	1270	0.75	219.2	37	10
08/02/12	19:46:08	1442	0.75	206.2	36	12
08/02/12	21:56:08	1614	0.50	186.2	40	15
09/02/12	00:24:09	1787	0.50	165.2	43	17
09/02/12	05:45:09	1959	0.50	173.2	42	21
09/02/12	11:46:09	1235	0.25	152.2	42	23
09/02/12	15:59:09	2307	0.50	164.2	43	24
09/02/12	19:39:09	2478	0.50	176.2	44	27
10/02/12	06:15:10	2653	1.00	421.0	151	29
10/02/12	07:11:10	2696	0.75	168.2	40	31
10/02/12	10:16:10	2868	0.50	148.2	40	32
10/02/12	13:04:10	3041	0.75	249.2	42	34
11/02/12	05:08:11	3213	0.50	146.2	36	38
11/02/12	07:32:11	3388	0.00	240.2	38	40
11/02/12	08:13:11	3431	0.25	259.2	38	41
11/02/12	10:44:11	3604	0.50	299.2	70	42
11/02/12	13:02:11	3734	0.50	220.2	38	43
11/02/12	15:20:11	3863	0.50	199.2	72	45
11/02/12	19:05:11	4034	0.75	223.2	41	47
11/02/12	22:40:11	4204	0.50	238.2	44	49
12/02/12	02:41:12	4376	0.75	243.2	41	51
12/02/12	06:38:12	4552	0.50	239.2	42	52
12/02/12	10:15:12	4725	0.75	223.2	44	55
12/02/12	12:51:12	4893	0.50	205.2	45	57
12/02/12	15:59:12	0	0.00	410.0	151	59
12/02/12	16:10:12	5030	0.50	224.2	44	60