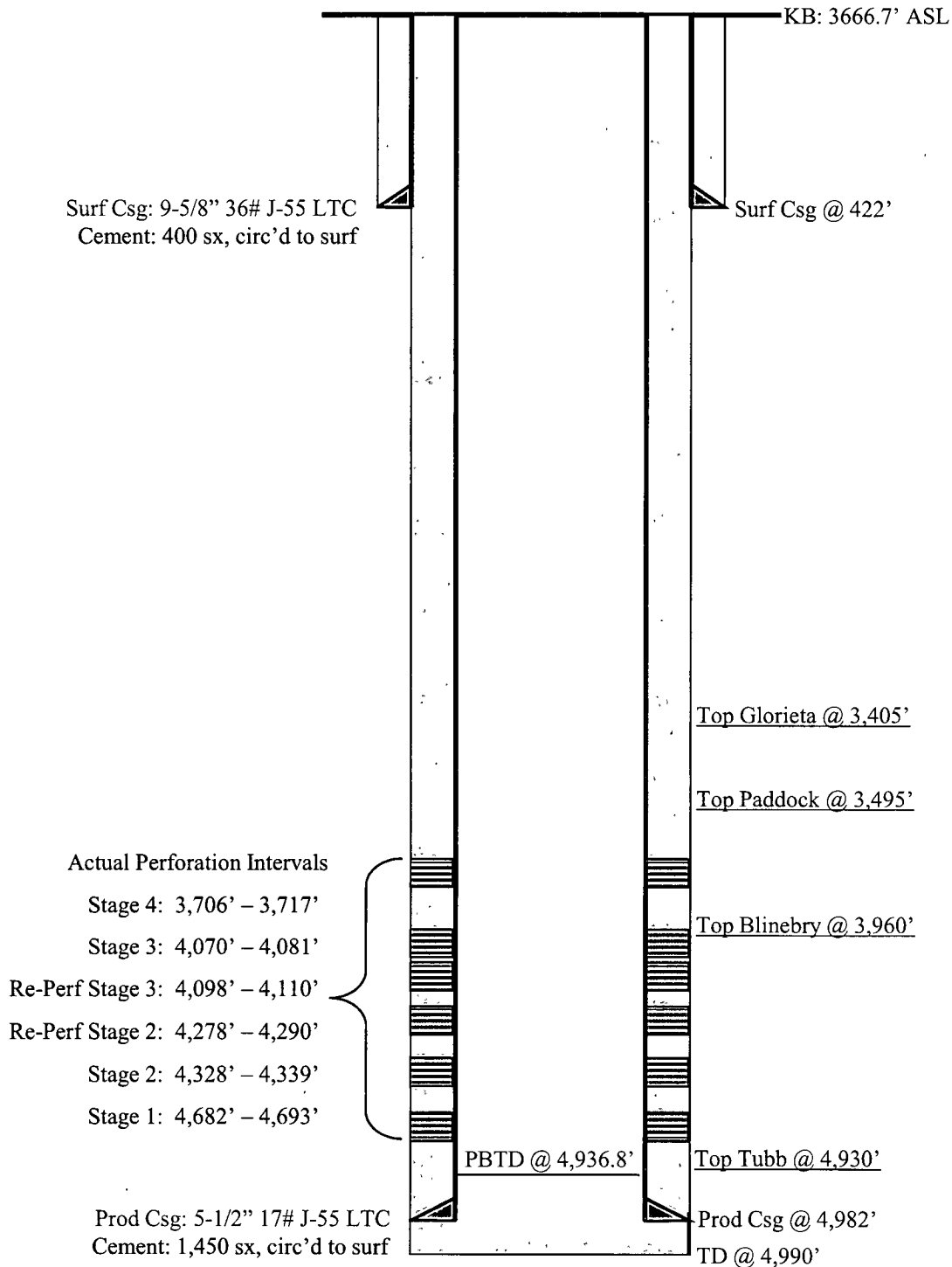


Occidental Oil & Gas Corp – Permian Primary – North NM/Terrell RMT

Well: Piglet 21 State #7		API: 30-015-39502	
State: New Mexico	County: Eddy	T18S R28E, Sec 21	2138' FSL & 2063' FWL
Field: Empire	TD: 4,990'	PBTD: 4,936.8'	KB: 3,666.7' ASL
Casing Size:	Grade/Weight:	Depth:	Cement:
9-5/8"	J-55 LTC / 36#	422'	400 sx, circ'd to surf
5-1/2"	J-55 LTC / 17#	4,982'	1,450 sx, circ'd to surf



Piglet 21 State #7

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: 4,682'-4,693'

Re-perforations: NA

Cross Linked Gel: 154,559 gals

Linear Gel: 14,359 gals

15% HCl Acid: 2000 gals

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: 4,328'-4,339'

Re-perforations: 4,278'-4,290'

Cross Linked Gel: 153,897 gals

Linear Gel: 11,285 gals

15% HCl Acid: 2000 gals

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: 4,070'-4,081'

Re-perforations: 4,098'-4,110'

Cross Linked Gel: 153,446 gals

Linear Gel: 18,339 gals

15% HCl Acid: 2000 gals

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: 3,706'-3,717'

Re-perforations: NA

Cross Linked Gel: 157,599 gals

Linear Gel: 11,870 gals

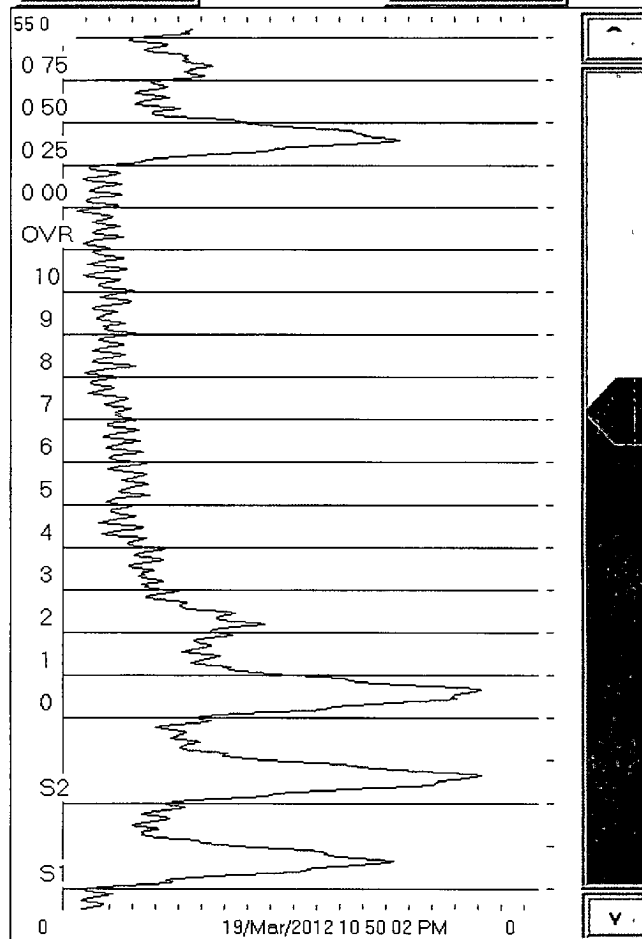
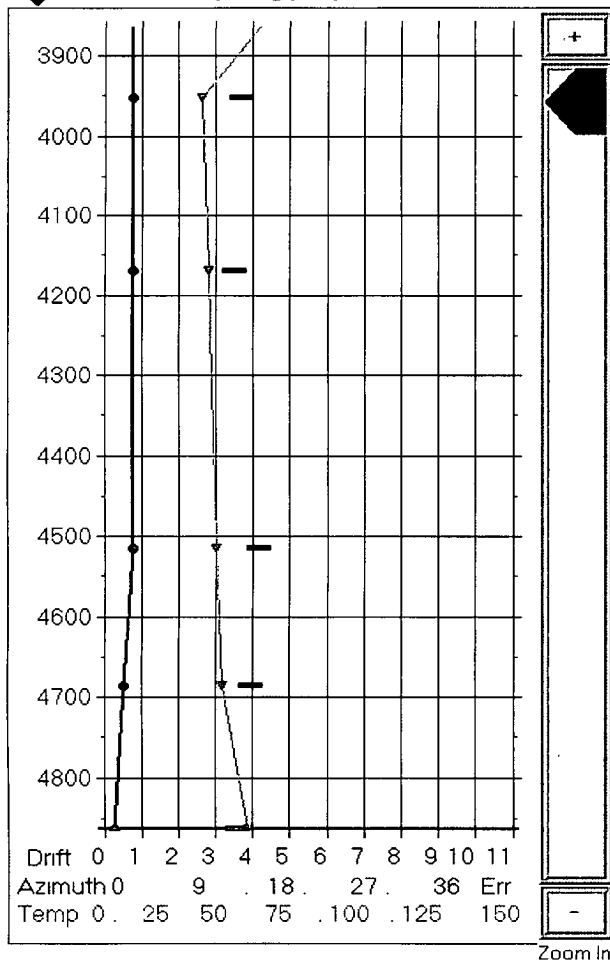
15% HCl Acid: 1500 gals

Depth Log (Feet)

PIGLET 21 STATE 7

Retest Survey

Find Survey



Temperature

54

Azimuth (TRUE)

130.1

Drift

0.25

Depth (Feet)

4866

IDLE

0

OPTION

Zoom In

(c) 2006 Weatherford

Logging Program System Parameters

20/Mar/2012

Well Name

PIGLET 21 STATE 7

File Size (KBytes)

512

Legal SubDivision

PIGLET 21 STATE 7

Notes

MATT KING

AFE #

1140877

Apply ambient
pressure to
transducer and
press Calibrate

Client Name

OXY

Creation Date

15/Mar/2012

Service Order #

4025825

13185

CSS #

ASK 3292

Calibrate

DMT #

AMS-098

Battery #

402938302/DL2

Filter Size

600

Pulser #

4C4E 287

Declination

7.1

Transducer #

5K HAMMER UNION

Azimuth Pulse Period

1500

mSec

Pump On Pressure

150

Survey Duration

131

Sec

Baseline Pressure

2500

Time Till Autostart

35

Sec

Pulse Range

319

Pump Off Time

90

Sec

Pressure Transducer
Full Scale Pressure

5000

Error Msg Timeout

35

Sec

Time of Day (HR MIN)

18:28

Acquisition Options

- ☒ A/D Enabled
☐ Wrap Data Continuously
☐ Automatic Filtering

RESTART

Depth Scale

- ☐ Meters
☒ Feet

Pressure Scale

- ☒ PSI
☐ kPascals
☐ BAR

CLR LOG

DOWNLOAD

Tool Type

- ☐ DMT 3500
☒ AMS 2000

CANCEL

OPTION

(c) 2006 Weatherford Canada Partnership

F:\DMTData\PIGLET 21 STATE 7\PIGLET 21 STATE 7.txt

Depthlog Information

Data File Version: 14
Logfile created with DMT Surface Plotter Rev W2.01g
Legal Subdivision: PIGLET 21 STATE 7
Well Name: PIGLET 21 STATE 7
AFE Number: 1140877
Creation Date: 15/03/12 00:00:15
Number of Surveys: 23
Service Order Number: 4025825
CSS Number: ASK 3292
DMT Number: AMS-098
Battery Number: 402938302/DL21
Pulser Number: 4C4E 287
Client Name: OXY
Deepest Entry: 4866
Depth is measured in : FEET
Pulse Range: 2819 PSI
Baseline Pressure: 2500 PSI
Full Scale Pressure: 5000 PSI
Client used: PSI
File Size (KBytes): 512
Survey Comment: "MATT KING"
Transducer Calibration Value: 13185 A/D Counts
Transducer Number: 5K HAMMER UNION
Pump Timeout Delay: 90
System Timeout Delay: 35
Tool Type: AMS 2000
Declination: 7.1
Azimuth Pulse Period: 1500
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#
15/03/12	20:48:15	406	0.50	343.1	23	2
15/03/12	22:58:15	589	0.50	282.1	28	4
16/03/12	01:27:16	775	0.50	287.1	34	6
16/03/12	03:52:16	971	0.25	258.1	38	8
16/03/12	05:13:16	1099	0.25	318.1	40	10
16/03/12	07:49:16	1318	0.00	249.1	72	13
16/03/12	10:45:16	1577	0.00	218.1	40	16
16/03/12	14:38:16	1664	0.25	207.1	44	18
16/03/12	23:00:16	2224	0.00	235.1	45	21
17/03/12	00:52:17	2399	0.00	196.1	45	23
17/03/12	02:36:17	2571	0.00	318.1	46	25
17/03/12	04:17:17	2739	0.00	150.1	46	26
17/03/12	06:30:17	2918	0.50	118.1	44	29
17/03/12	10:25:17	3178	0.25	186.1	84	35
17/03/12	15:19:17	3437	0.50	150.1	43	39
17/03/12	19:12:17	3608	1.00	130.1	45	41
17/03/12	22:13:17	3781	0.75	123.1	79	43
19/03/12	05:58:19	3954	0.75	133.1	37	46
19/03/12	08:47:19	4171	0.75	125.1	39	49
19/03/12	14:51:19	4516	0.75	149.1	42	52
19/03/12	19:26:19	4687	0.50	142.1	44	54
19/03/12	22:50:19	4866	0.25	130.1	54	56
20/03/12	03:15:20	0	0.00	410.0	151	57