

Daily Report

A - PLUS WELL SERVICE

14763

P.O. BOX 1979 • FARMINGTON, NM 87499
505-325-2627 • FAX (505) 325-1211

Rig No #6

Date MAN 4-26-99

Well No. STATE #3 Location _____ Company Wesley oil Co/WMACO

[illegible]

Fuel & Motor Oil _____ Water Hauled _____

Rental Equipment _____ Cement Retainers _____

Cementing P-T DAY #2

Wireline

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	Robert Whiteley	25	18,262	
Operator	Sam Stuart	20	33,542	4 1/2
Helper	Robert Velasquez			4 1/2
Helper	Victor Celis			4 1/2
Helper	Richard Beattie			4 1/2

Daily Report

A - PLUS WELL SERVICE

14762

P.O. BOX 1979 • FARMINGTON, NM 87499
505-325-2627 • FAX (505) 325-1211

Rig No #6

Date fr: 4-23-99

Well No STATE #3 Location _____ Company Woolley oil co / WMOCD

FROM	TO	DESCRIPTION OF OPERATION
6:00	6:30	LOAD RIG SUPPLYS & DIESEL
6:30	8:30	TRAVEL TO LOC.
8:30	9:00	START RIG & EQUIP. HEAD SAFETY MRS (TOPIC) WORK FLOOR
9:00	9:15	TIE WITH TBG & TAP TAC @ 412'
9:15	9:30	L-O TBG TO 612'
9:30		LOAD THE HOLE WITH 2 BBLs OF WATER. TRY TO TEST CSG, CSG WOULD NOT TEST
		CIRCULATING OUT & AROUND. 4 1/2" CSG. PLUS #2 MIX & PUMP 20 SKS. CEMENT ^{15.6"}
	9:45	WITH 2% CASH FROM 612' TO TAC @ 354'
9:45	10:00	L-O ALL THE TBG & THE SETTING TOOL.
10:00	10:20	WAC.
10:20		TIE WITH WHITE LINE & TAP TAC @ 365'. PULL UP HOLE & REFORMATE 3-HSC.
10:25		HOLES @ 82' POOL. R-D. WHITE LINE.
10:25		BREAK CIRCULATION OUT THE BROADEN HEAD WITH 1/2 BBL WATER. PLUS #3
		MIX & PUMP 24 SKS CEMENT, ^{15.6"} FROM 82' WITH 3000 CEMENT. RETURNED OUT.
	10:45	THE BROADEN HEAD.
10:45		N-O BOP & 7 5/8" FLANGE. DIS OUT & CUT WELL HEAD OFF. INSTALL MARKER
		WITH 10 SKS CEMENT ALL FOR THE MARKER. CEMENT @ SURFACE IN 4 1/2"
	1:30	@ 7" CSG.
1:30	2:00	DRAIN PUMP & LINES. SOBS (TO WINDY TO R-D.)

8 HRS

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APR 26 1999

OIL CON. D.

DIST. 3

Henry Villanueva 4/1/99 00 0000 0000

Fuel & Motor Oil	Water Hauled
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Rental Equipment _____ Cement Retainers _____

Cementing P-T DAY #1 P-#2-20 SKS^{15.6"} P-#3-24 SKS^{15.6"} MARKING 10 SKS

Wireline 3-Hsc Holes @ 82'

CREW	NAME	UNIT #	MILEAGE	HOURS
Supervisor	ROBERT Whiteley	25	17,981	
Operator	SAM STUART	20	33,225	8
Helper	ROBERT VELASQUEZ			8
Helper	VICTOR CELIS			8
Helper	RICHARD BEATTIE			8

KCJ-029643A

Date 4-23-99

DELIVERABILITY CALCULATION REPORT YEAR 1995
OIL CONSERVATION DIVISION STATE OF NEW MEXICO

MERIDIAN OIL INC.

POOL MV SLOPE 0.75 FORM MV METER 86880 DP NO 29210A
OPER MOI
LEGAL DESCRIPTION D 35 27N 03W PIPELINE
WELL NAME JICARILLA 95 3A

CSG.OD CSG.ID CSG.DPTH TBG.OD TBG.ID TBG.DPTH
4.500 4.052 6350 1.660 1.380 6211
GAS PAY ZONE CASING TUBING GAS GRV. GASXDEPTH
5880 6210 YES 0.687 4266
DATE OF FLOW TEST 05/15/95 TO 05/22/95
DATE SI PSI MEASURED 05/30/95

(A) (B) (C) (D) (E) (F) (G)
FLOW FLOW FLOW CHART METER LOSS PSI.
CSG. TBG. METER STATIC METER LOSS PSI.
340 250 241 245 -4 9 233

(H) (I) (J) (K) (L) (M) (N)
CORRECT METER WELTHD. CSG. TBG. SHUT IN P/C= HIGHER P/D= CRITICAL FC
METER (G+E) P/T=(H+F) PSI TBG. PSI SEP/DEHY FACTOR
241 250 416 416 416 291 12 24.621
INTEGRATED VOLUME/MCFD C DIVIDED D QUOTIENT OF SQUARE ROOT OF C DIVIDED BY D CORRECTED VOLUME

1-E(-S) FC X QM R2 PT/2 PW2 = PT2+R2 PW = SORT OF PW2
0.267 108466 28960 62500 91460 302
Q DIVIDED PC2-PD2 PC2-PW2 TO (N) 88375 81596 1.083 1.062 MAXIMUM FACTOR 1.062 STATE MCF/D 449

REMARKS:

SUMMARY

ITEM H--- 241 PSIA COMPANY: MERIDIAN OIL INC.
PC--- 416 PSIA BY: DOLORES DIAZ
Q--- 423 MCF/D TITLE: OPERATIONS ASSISTANT
PW--- 302 PSIA REVIEWED BY:
PD--- 291 PSIA COMPANY: MERIDIAN OIL INC.
D--- 449 MCF/D

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NOV 14 1995
OIL CON. DIV.
PAGE 14

Well Name <u>STAR #3</u>		Day: <u>1</u>	Work Date: <u>4-22-99</u>	
Company <u>Washley Oil Co / AMOCO</u>				
Code	Intangible Expense - Provider - Services	Hours	Rate	\$ w/o Tax \$ w/6% Tax
03	Location Cost:			
05	Move In/Out:			
07	Rig Cost: (Rig only, charge pump if no cement plugs) (Drig Package, no \$ for pump, include RU/RD time) Supervisor - Pump Truck (first day \$220, then \$120 each day) Stripping Rubbers - (1.25", 1.5", 2", 2.875", 3.5" - \$70)	3 1/2	\$154 /hr \$170 /hr \$340 /day	539.00 571.34
10	Drilling Fluid: Air Package			
16	Stimulation Fluids (Water, KCl) Unit #155 134 1-LOAD (A-Plus)	6	\$44 /hr	264.00 279.84
17	Bits			
18	Cement: Pump Charge \$300/plug P-#1 Cement - 1.5" 60s x \$8-40/sx 9.90 P-#1-15 SKS			500.00 530.00
25	Rentals: (DC's, bit sub, etc) 7 7/8" RAD FLANGE (LAWARTHERSON)			148.50 152.41
26	Fishing Tool Rentals:			18.00 12.72
28	Other Rentals: Water Tank Flow Back Tank		\$23 /day \$44 /day	
29	Transportation: A-Plus #124 \$45/hr, Helper - \$17/hr move tool + Pit A-Plus #141 or #151 Others Trucking:	5	\$64 /hr	225.00 238.50
34	Logging Services: (CR or CIBP) Size - Set @ Perforating: BI-Wire \$440, HSC \$490 Other: (depth \$0.11/ft)			
36	Production Testing:			
37	Swabbing, Snubbing, Coiled Tubing: (nitrogen costs)			
39	Stimulation: (frac, acid)			
44	Technical Services: (gas & water tests)			
45	Roustabout Labor			
48	Packer Rental: (Fullbore- 2-7/8"-\$530, 4-1/2" + Size -\$860) RBP, tbg set or wireline \$850 Casing Scraper \$250			
4	Disposal:			
0	OTHER: HAT Oil Rig Pits (Poor Boy)			921.58
8	Direct Labor			
2	Overhead:			
ode	Tangible Expense - Provider - Item			
3	Casing:			
1	Tubing: Size 2 3/8" Length 4,290' (EUE) NU (A-Plus)			309.60 328.17
1	Csg & Tbg Equipment:			
1	Wellhead Equipment:			
	Prior Cum \$ 13,742.85		Total Cost \$	3,039.56
			New Cum. \$	16,782.41

DELIVERABILITY CALCULATION REPORT YEAR 1995
OIL CONSERVATION DIVISION STATE OF NEW MEXICO
MERIDIAN OIL INC.

POOL PC SLOPE 0.85 FORM PC METER 81489-1 DP NO 41415B

OPER MOI WELT NAME SAN JUAN 28-5 UNIT 235

LEGAL DESCRIPTION K 28 28N 05W PIPELINE

CSG.OD CSG.ID CSG.DPTH TBG.OD TBG.ID TBG.DPTH

4.500 4.052 3629 2.375 1.995 3500

GAS PAY ZONE CASING TUBING GAS GRV. GASXDEPTH

3432 3494 NO YES 0.661 2313

DATE OF FLOW TEST DATE SI PSI MEASURED

07/17/95 TO 07/24/95

07/31/95

FLOW (A) FLOW (B) FLOW (C) CHART (D) METER (E) LOSS (F) PSI. (G)

CSG. TBG. METER STATIC METER (C-D) A-C, B-C METER

332 262 245 246 -1 17 32

CORRECT (H) AVG. (I) SHUT IN (J) SHUT IN (K) P/C= (L) P/D= (M) CRITICAL (N) FCF

METER WELTHD. CSG. TBG. PSI TBG. HIGHER 0.7 FLOW PSI SEP/DEHY

43 60 612 574 612 428 12 9.402

INTEGRATED VOLUME/MCFD QUOTIENT OF C DIVIDED D SQUARE ROOT OF C DIVIDED BY D CORRECTED VOLUME

37 0.9959 0.9980 0.9980

1-E(-S) FC X QM R2 PT/2 PW2 = PT2+R2 SORT OF PW2

0.155 121 19 3600 3619 60

Q DIVIDED PC2-PD2 191360 370925 0.516 0.570 0.570

PC2-PW2 TO (N) STATE MCF/D 21

REMARKS:

SUMMARY

ITEM H--- 43 PSIA COMPANY: MERIDIAN OIL INC.
PC--- 612 PSIA BY: DOLORES DIAZ
Q--- 37 MCF/D TITLE: OPERATIONS ASSISTANT
PW--- 60 PSIA REVIEWED BY:
PD--- 428 PSIA COMPANY: MERIDIAN OIL INC.
D--- 21 MCF/D

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NOV 14 1995
OIL CONSERVATION DIVISION
STATE OF NEW MEXICO

	Well Name <i>Star # 8</i>	Day: <i>2</i>		Work Date: <i>4-23-99</i>
	Company <i>Woodbury Oil Co / Alameda</i>			
Code	Intangible Expense - Provider - Services	Hours	Rate	\$ w/o Tax \$ w/6% Tax
13	Location Cost:			
15	Move In/Out:			
17	Rig Cost: (Rig only, charge pump if no cement plugs) (Drig Package, no \$ for pump, include RU/RD time)	<i>7 1/2</i>	<i>\$154 /hr</i> <i>\$170 /hr</i> <i>\$340 /day</i>	<i>1,155.00</i> <i>1,224.30</i> <i>340.00</i> <i>364.40</i>
	Supervisor -			
	Pump Truck (first day \$220, then \$120 each day)			
	Stripping Rubbers - (1.25", 1.5", 2", 2.875", 3.5" - \$70)			
10	Drilling Fluid: Air Package			
16	Stimulation Fluids (Water, KCl)			
	Unit #155		<i>\$44 /hr</i>	
17	Bits			
18	Cement: Pump Charge \$900/plug <i>P-2 P-3</i>			<i>1,000.00</i> <i>1,060.00</i>
	Cement - <i>5"4 sxs x \$9.40/sx</i> <i>P-2-20 SKS P-3-24 SKS MARKER 10 SKS</i>			<i>534.60</i> <i>566.67</i>
25	Rentals: (DC's, bit sub, etc) <i>7 1/8 Flange (Weatherford)</i>			<i>12.00</i> <i>12.72</i>
26	Fishing Tool Rentals:			
28	Other Rentals: Water Tank		<i>\$23 /day</i>	<i>23.00</i> <i>24.38</i>
	Flow Back Tank		<i>\$44 /day</i>	<i>44.00</i> <i>46.64</i>
				<i>15.00</i> <i>15.90</i>
29	Transportation: A-Plus #124 - \$45/hr, Helper - \$17/hr A-Plus #141 or #151 Others Trucking:		<i>\$64 /hr</i>	
14	Logging Services: (CR or CIBP) Size - Set @ Perforating: BI-Wire \$440, (HSC \$490) <i>3 @ 82'</i> Other: (depth \$0.11/ft)			<i>490.00</i> <i>519.40</i>
16	Production Testing:			
17	Swabbing, Snubbing, Coiled Tubing: (nitrogen costs)			
19	Stimulation: (frac, acid)			
14	Technical Services: (gas & water tests)			
15	Roustabout Labor			
19	Packer Rental: (Fullbore- 2-7/8"-\$530, 4-1/2" + Size -\$860) RBP, tbg set or wireline \$850 Casing Scraper \$250			
14	Disposal:			
0	OTHER:			
8	Direct Labor			
2	Overhead:			
Code	Tangible Expense - Provider - Item			
0	Casing:			
1	Tubing: Size <i>2 3/4"</i> Length <i>1,122'</i> <i>(EUE) NU (A-PLUS) 24" P.C./F.T.</i>			<i>270.48</i> <i>286.70</i>
4	Csg & Tbg Equipment:			
6	Wellhead Equipment:			
	Prior Cum \$ <i>16,782.44</i>			Total Cost \$ <i>4,117.11</i>
				New Cum. \$ <i>20,899.55</i>

RECEIVED
APR 26 1999
OIL CON. DIV.
DIST. 3

	Well Name <u>STAR #3</u>	Day: <u>3</u>		Work Date: <u>4-26-99</u>
	Company <u>Wesley Oil Co / WMACO</u>			
Code	Intangible Expense - Provider - Services	Hours	Rate	\$ w/o Tax \$ w/6% Tax
13	Location Cost:			
15	Move In/Out:			
17	Rig Cost: (Rig only, charge pump if no cement plugs)	<u>4</u>	<u>\$154 /hr</u>	<u>616.00</u>
	(Drig Package, no \$ for pump, include RU/RD time)		<u>\$170 /hr</u>	<u>652.96</u>
	Supervisor -		<u>\$340 /day</u>	<u>360.40</u>
	Pump Truck (first day \$220, then \$120 each day)		<u>120.00</u>	<u>127.20</u>
	Stripping Rubbers - (1.25", 1.5", 2", 2.875", 3.5" - \$70)			
10	Drilling Fluid: Air Package			
16	Stimulation Fluids (Water, KCl)			
	Unit #155		<u>\$44 /hr</u>	
17	Bits			
18	Cement: Pump Charge \$300/plug			
	Cement - <u>sxs x \$9.40/sx</u>			
25	Rentals: (DC's, bit sub, etc)			
26	Fishing Tool Rentals:			
28	Other Rentals: Water Tank		<u>\$23 /day</u>	<u>23.00</u>
	Flow Back Tank		<u>\$44 /day</u>	<u>44.00</u>
	<u>FLOOR (A-PLUS)</u>		<u>15.00</u>	<u>15.90</u>
19	Transportation: A-Plus #124 - \$45/hr, Helper - \$17/hr			
	A-Plus #141 or #151		<u>\$64 /hr</u>	
	Others Trucking:			
14	Logging Services: (CR or CIBP) Size - Set @			
	Perforating: BI-Wire \$440, HSC \$490			
	Other: (depth \$0.11/ft)			
16	Production Testing:			
17	Swabbing, Snubbing, Coiled Tubing: (nitrogen costs)			
19	Stimulation: (frac, acid)			
14	Technical Services: (gas & water tests)			
15	Roustabout Labor			
19	Packer Rental: (Fullbore- 2-7/8"- \$530, 4-1/2" + Size - \$860)			
	RBP, tbg set or wireline \$850			
	Casing Scraper \$250			
14	Disposal:			
10	OTHER:			
8	Direct Labor			
2	Overhead:			
Code	Tangible Expense - Provider - Item			
0	Casing:			
1	Tubing: Size Length EUE IJ NU			
4	Csg & Tbg Equipment:			
8	Wellhead Equipment:			
	Prior Cum \$ <u>20,899.55</u>			
			Total Cost \$	<u>1,227.48</u>
			New Cum. \$	<u>22,127.03</u>

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APR 27 1999

OIL CON. DIV.
DIST. 3

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED
NOV - 8 1995
Revised 4-1-91

WELL DELIVERABILITY TEST REPORT FOR 19 95 OIL

POOL NAME	BLANCO	POOL SLOPE	75	FORMATION	MESA VERDE	COUNTRY	RIO ARRIBA
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OPERATOR		CONOCO INC		WELL NAME AND NUMBER		AXI APACHE K #1	
UNIT LETTER	H	SECTION	03	TOWNSHIP	26	RANGE	05
CASING O.D. - INCHES		5.012		TUBING O.D. - INCHES		2.375	
GAS PAY ZONE		5548		TUBING I.D. - INCHES		1.995	
FROM		TO		DATE OF FLOW TEST		DATE SHUT-IN PRESSURE MEASURED	
5.500		6208		09-05-95		09-12-95	
WELL PRODUCING THRU		CASING		TUBING		XX	
GAS GRAVITY		GRAVITY X LENGTH		TOP - TUBING PERF. - FEET		6051	

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWI)	(b) Flowing Tubing Pressure (DWI)	(c) Flowing Meter Pressure (DWI)	(d) Flow Chart Static Reading	(e) Meter Error (Item c - Item d)	(f) Friction Loss (a - c) or (b - c)	(g) Average Meter Pressure (Integr.)	(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_1 = (h + f)$	(j) Shut-in Casing Pressure (DWI)	(k) Shut-in Tubing Pressure (DWI)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{70}{100} P_c$ for critical flow only
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FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item d}}{\text{Item c}}$	$\sqrt{\frac{\text{Item d}}{\text{Item c}}}$	Corrected Volume	Q =
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WORKING PRESSURE CALCULATION

$(1 - e^{-R^2}) (F_c Q_m)^2 (1000)$	$R^2 =$	$(1 - e^{-R^2}) (F_c Q_m)^2 (1000)$	P_2^1	$P_2^w = P_2^1 + R^2$	$P_2^w = \sqrt{P_2^1}$
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_2^c - P_2^d}{P_2^c - P_2^w} \right]^n = \left(\frac{P_2^c - P_2^d}{P_2^c - P_2^w} \right)^n$					
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REMARKS:

API # 30-39-6703

POOL CODE 72319

NO GAS PASSED

SUMMARY

Item h	Psia
P_c	Psia
Q	MCF/D
P_w	Psia
P_d	Psia
D	MCF/D

Company

CONOCO INC

By

JUDSON VALDEZ

Title

Field Operations Foreman

Witnessed By

Company