

On January 27, 1999, we were informed by the Bureau of Land Management that there were several old plugged wells leaking in the Table Mesa field. We have been able to locate 8 wells that are flowing oil, gas and water to the surface.

Operator	Property and Well #	API Number
Producers and Refiners	(no name) #1	Not Available <i>30-045-06835</i>
Eastern Petroleum Company	Table Mesa # 2	30-045-20803
Eastern Petroleum Company	Table Mesa #13	30-045-13329 ✓ <i>0-2000 / 17</i>
Eastern Petroleum Company	Table Mesa #26	30-045-13060 ✓ <i>2-17-99 PJA</i>
John F. Staver	Table Mesa #3	30-045-22005
John F. Staver	Table Mesa #19	30-045-06805
Continental Oil Company	Table Mesa #3	30-045-06836
Continental Oil Company	Table Mesa #8A	30-045-06835
<i>Continental Oil Co</i>	<i>Table Mesa # 8</i>	<i>25243</i>

# Surrogate Summary: QC

Assaigal Analytical Laboratories, Inc.

Client: APACHE CORPORATION

Project: 9808193 JICARILLA PIT CLOSURES

QC Group	Run ID	Surrogate	% Recovery	Sequence	Run Date	
QC Type LCS	X98392	4-Bromofluorobenzene-FID	102	XG 1998 704-1	08/20/98	
		4-Bromofluorobenzene-FID	102	XG 1998 704-1		
		aaa-Trifluorotoluene-FID	97	XG 1998 704-1		
		aaa-Trifluorotoluene-FID	106	XG 1998 704-1		
Test: SW846 8015A/8020A GRO / Purgeable Aromatics						
QC Type LCS	X98391	O-terphenyl	106	XG 1998 700-1	08/22/98	
		Test: SW846 8015A Diesel Range Organics by GC/FID				
		QC Matrix				
		SOLID				
QC Type LCS	X98392	4-Bromofluorobenzene-FID	102	XG 1998 704-2	08/20/98	
		4-Bromofluorobenzene-FID	102	XG 1998 704-2		
		aaa-Trifluorotoluene-FID	96	XG 1998 704-2		
		aaa-Trifluorotoluene-FID	105	XG 1998 704-2		
Test: SW846 8015A/8020A GRO / Purgeable Aromatics						
QC Type LCS	X98391	O-terphenyl	113	XG 1998 700-2	08/22/98	
		Test: SW846 8015A Diesel Range Organics by GC/FID				
		QC Matrix				
		SOLID				
QC Type LCS	X98392	4-Bromofluorobenzene-FID	102	XG 1998 704-3	08/20/98	
		4-Bromofluorobenzene-FID	96	XG 1998 704-3		
		4-Bromofluorobenzene-FID	103	XG 1998 704-3		
		aaa-Trifluorotoluene-FID	91	XG 1998 704-3		
Test: SW846 8015A/8020A GRO / Purgeable Aromatics						
QC Type LCS	X98391	O-terphenyl	91	XG 1998 700-3	08/22/98	
		Test: SW846 8015A Diesel Range Organics by GC/FID				
		QC Matrix				
		SOLID				
QC Type MB	X98392	4-Bromofluorobenzene-FID	102	XG 1998 704-2	08/20/98	
		4-Bromofluorobenzene-FID	102	XG 1998 704-2		
		aaa-Trifluorotoluene-FID	96	XG 1998 704-2		
		aaa-Trifluorotoluene-FID	105	XG 1998 704-2		
Test: SW846 8015A/8020A GRO / Purgeable Aromatics						
QC Type MB	X98391	O-terphenyl	113	XG 1998 700-2	08/22/98	
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QC Type MB	X98392	4-Bromofluorobenzene-FID	96	XG 1998 704-3	08/20/98	
		4-Bromofluorobenzene-FID	103	XG 1998 704-3		
		aaa-Trifluorotoluene-FID	91	XG 1998 704-3		
		aaa-Trifluorotoluene-FID	101	XG 1998 704-3		
Test: SW846 8015A/8020A GRO / Purgeable Aromatics						
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		Test: SW846 8015A Diesel Range Organics by GC/FID				
		QC Matrix				
		SOLID				

Mike Johnson	NAV NATION	WEAVER Resource	520-729-1719
Joe Ruyblid	BLM		330 1719
BLM Magic #			599 8907

Don begg 330-6208

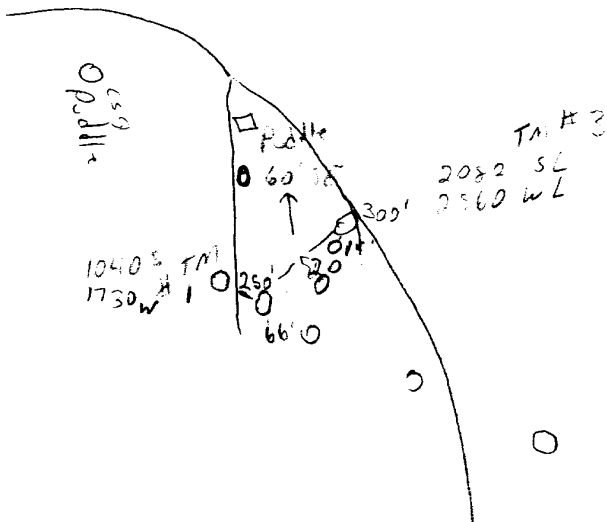
1	STAVeR #3	TABLE mesa	1400 fNL	1944 fEL	3-27-17
2	EPOC #2	table mesa	2310 N	1800 E	"
3	EPOC #13	NAVAJO	2420 N	2420 E	"
4	Cont	T mesa	1550 N	330 W	2-27-17
5	EPC	TM	2082 S	2560 W	3-27-17
6	Cont	TM	330 N	1980 E	3-27-17
7	STAVeR	TM	665 N	2054 E	3-27-17
8	STAVeR	STAV TM	1152 N	2295 E	3-27-17
9	Cont	TM	990 N	2310 E	3-27-17
10	Cont	TM	660 N	1980 W	3-27-17
11	STAVeR	TM	920 N	1268 W	3-27-17
12	Cont	TM	1980 N	660 W	3-27-17
13	Cont	TM	2440 N	2330 W	3-27-17
14	STAVeR	TM	1980 N	1980 W	3-27-17
15	Cont	TM	2640 N	2000 E	3-27-17
16	Cont	TM	1980 N	2310 E	3-27-17
17	Cont	TM	2420 N	2420 E	3-27-17
18	STAVeR	*7	2142 S	2539 E	3-27-17
19	Cont	9	2240 S	2330 W	3-27-17
20	Cont	18	2200 S	1320 W	3-27-17
21	Cont	NAVI #19	1040 S	600 W	3-27-17
22	Cont	17	330 S	2310 W	3-27-17
23	STAVeR	1	1143 S	2044 W	3-27-17
24	EPCO	3	1290 S	2100 W	3-27-17
25	Cont	19	990 S	1830 W	3-27-17
26	Cont	27	2020 S	1980 W	4-27-17
27	Cont	24	1750 S	1750 W	4-27-17
	*STAVeR #7	J No marker	2142 S	2539 E	

Also shows  
VH 332

28 CONT	23	TM	990 N	990 E	9-27-17
29 STAVEL	29	TM	1850 N	790 E	9-27-17
30 STAVEL	2	TM	990 S	2130 <del>E</del> W	9-27-17
31 COMPASS	1-11	SE TM	1980 N	1880 W	11-27-17
32 TEXAS	1	INDIANLANDS B	2310 N	990 E	17-27-17

N

8 26



1A J

0/5

5  
0

13  
0

0

14  
0

9  
0

26

8

12  
0

7  
0



8A



0/6



#1 ~~X~~

250'

19

~~X~~ 66' 11

~~X~~

300'

2 Red dirt

~~X~~

400'

~~X~~ 4

13

17



Borned

✓ # 3 STAUER	3-27-17	1400 N	1944 E	no marked H <sub>2</sub> O
✓ # 2 EASTERN	3-27-17	1510 N	1340 E	marked over
✓ # 13 cont 1970 SITE 1970	3-27-17	2420 N	2420 E	PLA marked seep
✓ # 26 cont 1970 EASTERN	3-27-17	1980 N	660 W	oily spot
✓ # 19 cont 1970 SITE 1970	3-27-17	990 S	1850 W	oil & H <sub>2</sub> O flow
# 8A		1690 S	1750 W	2nd Pond
✓ P&R #1				first Pond
# 3 TABLEMESA				WATCH WELL

Plus then All  
sign move on

Bob Laugh ft Lewis college

Which to Buy  
how much to take off

Perf 1653  
Ret 1710  
Press 1800 - 2000 working

Abur-T 600  $\frac{1}{4}$  666 mi

Suggest spot cut to end of Tbg  
Sting in Put Away what we can  
dunP Rest on top of Ret

26 30-045- 13060  
13 13329  
STOCK 3 22005

BIT dug on #26  
P&R # 1 DRAIN ditch  
# 8 DRAIN ditch

2-16-99 Rig on #26 Lunch 12:00 -

BIT 1 dc ST dly @ 1.50 TAG @ 2' +  
Circ dly 2' cut fall out got SAC in R&P

TRY TO TEST Pump 2661 No PRESS START in hole to try bottom  
have a flow

TAG 1430 South shutdown f/n

2-17-99

RTH open ended TRY TO 1430 SPOT 35 SX 300' Plug 2% accel

WOC RTH 12:30 TAG CMT 1155'

POOH RTH PERF 3 holes 500'

RTH can not Pump in Held 500'

SPOT 20 SX CMT 200' STS ↑

POOH RTH PERF @ 75'

PRESS TO 500 held

RTH STS 163'

Circ cmt TO 500

#13

18<sup>th</sup>

move in Risuf 2-18-98

START DELG SURFACE DRILL 6' cement fall thru  
LAYDOWN SWIRL PICKUP TBB RIH

TAG @ 1338

POOH LD DC'S

RIH SPOT 25 SX CMT

POOH SHUT DOWN F NIGHT COH 3:45

3 digout install wh

2 digout 8' found  $7\frac{7}{8}$ "<sup>±</sup> open hole  
will build conductor pipe Plan to Run 1 JT 7"  
10" x 10" w/ 4" outlet condenser

1/12 RIG UP THE TANK @

1190 36' low test to 750 cut w 5 SX RIG

RIG RIG 500' Pump into RIG

ESTABLISH CIRC TO SALT OUT 10 3/4 X 8 5/8

NO OUTLET ON 8 5/8 X 7" OR 7" X 5 1/2

WAIT ON WELDER

CUT INTO 7 X 8 5/8 <sup>200+ PSI</sup> CSG HAD SPRAY OF OIL CAUSED FIRE, EXT W/EXT

USE PUNCH TO OPEN UP HOLE BLEED PRESS

SAW CUT INTO 7 X 5 1/2 <sup>200 PSI +</sup>

FLUSH W 12 BBI H2O

WELDON OUTLETS RUN TUBING IN THE HOLE LAY DOWN TBC

214 PUMP CNT DOWN 5/2 RET UP 5/2 SHUT VALVE RET UP 8 5/8 SHUT VALVE RET 10 3/4

LIST REASONING

LOOKED UP CORRECTION FACTOR FOR CNT

22ND

Crew noticed tbg stolen call AAVAJOG Police

84 Joints missing \$1.40'

Tag cnt @ 6' A. Ppledou. BOP cut off well head

~~fill~~ fill with cnt & Put in P+AMarker

Move Equip to Stavel #3

11.4.11

350 - 7853

324 7989

23rd

Rd Move of #13 to  
Stack # 3

Rig up pulling unit Spot Equipment  
Nipple up WH-BOP Pick up DC & Bit TAG @ 10.45  
Drill Cmt for 1 1/2 - 2" fall thru drag next 35 +/-'  
Pick up collar wash down stand back swivel RIA To 950' in open hole  
Stand to drag circle Pick up swivel wash to 1070 started getting  
Cmt Ret. RAS Stopped @ 1080 Poch to 700  
Spot Plug 700 - 450' 77 5x 52 + 50%

Table mesa #2

install conductor pipe 15 3/8" 10'  
suck out fluid so can see hole

599 8907

24<sup>th</sup>

STAVEL #3

Crew had SAT meeting START 8:30  
RTH TAG cmt Plug @ 3197 14 JTS ~~200~~ = 44600' surprise surprise

Pullout of hole Laying down TB6 TO 159'

Circ hole w/cmt SS SX

POOH Lay down S JTS TB6 Reg down <sup>JWELL</sup> Be P 10:30

Lay down Rug top off CSG w/cmt

Site work done? how to me full marks w/cmt

Report to [unclear]

Ready to move 12:30

320 - 5174

TM# 19

Location not ready I asked Backhoe operator he SA. & IT WAS  
Ready Spent most of 4 hours pulling out stuck mucks  
& TRYING TO GET matting Board (Joke) level to hold Rig



25<sup>th</sup>

Table mesa 19

7:30 Pickup sub & packer

STAB PKR & set,

Str. Pavel Swedge & weld on

Pool w/ PKR, Put on wellhead

Blm on Loc 9: AM Joe Ruffblid 330-1719

ChRmai: called about NAV 20-1 vista, suggested I call Mike

TALKED TO Mike Johnson 520-729-4123 NAV NAT WAT Res

About well # JM 3 & well backward highway, he will look

FOR documentation About waterwell construction

JAG 1325 Pump 165xcm 1307

Pool shut down till AM

~~JAG Plug @ 1197~~

Steve Mason called

Mark Kelly wants a 24 hour notice before we move on any wells also wants us to keep them notified. As we are working in the capacity of company Steve will also write up procedures for us to follow

I told Steve we were given <sup>shown</sup> these wells by the BLM we moved on them as an emergency, perhaps we should wait till they have all their ducks in a row before we continue

Run in Hole w tbg tag cont @ 1197

TRY TO TEST BOP flange LEAK

Tighten up BOP & flange Press TO 500 PSI Pump 6 SX flw (2)

POOH TO 503' Pump 24 SX CMT @

POOH Perf @ 100' could not Pump in

Set Plug 150 ⤴

157

Rig down #19  
Move to #2 & Rig up  
Pick up 8 3/4 BIT & dc  
drill to 42<sup>+-</sup>' Pool

Lay down dc Pick up TBG Run in Hole  
to 55<sup>+-</sup>' circ hole with heavy mud Pool

~~SP. COO~~ Pick up 7" CSG 30' RIH

~~Rig to 55<sup>+-</sup>'~~ Hook up to Bullhead cm + in  
Lump 24 5x cmT Good air to surface

Shut down FN

No flow 4:00

7100 Bottom Plug 7195 Refs  
6190.49 P:Pe

Ret 4 1/2 AKR 6331.5  
Liner 6325

REPEAT II PAKER

18.75  
32 | 600  
   32  
   280  
   256  
   240  
   224  
   160  
   160

APR 2

No DRIP!!

cut off csg weld on wellhead NU BOP  
pick up Bit & TOS DRLs cm +  
fell thru circ clean R/H BRIDGE 370' -  
Hit BRIDGES have to use survival  
Hit hard cm + @ 10 15 DRILL to 1025 cm + Retubing  
Pump 20 SX Plug Laydown 3 JTS Pump mud  
Pook to 60

Called Conoco About Contraintal

Linda @ 324-5810 will pull files for Tolman

Jimmy Carlisle 915 686 5400

985-Slim

clean csg no stress of flow

FIH w/tbg tag cont @ 480' low

in/ 25' SA Plug SA woc TAG @ 471 Soft cont

Pool to 380 circ cont to surface POOL LAIDown TBG

Rig down move to PART I

WJ

7th

n. PLEUP BOP 2 DC R14 Use survival to wash down  
980' got hard bumping something down  
1110' circ clean POTH

MAR 12 SI college  
Sun's dining Room 12<sup>th</sup> 6:00 PM - 9:30  
13<sup>th</sup> 7:00 AM 11:00thdV

