(August 1999)

b. Type of Completion

Name of Operator

Address

At total depth 14. Date Spudded

06/04/2005

Mud Logs

24. Tubing Record Size

Hole Size

12.25

8.75

6.25

2.375

18. Total Depth: MD 3768

Size/Grade

7.0 J-55

5.5 Liner

3751 25. Producing Intervals

Formation

Depth Interval

28. Production - Interval A
Date First Test Hours
Produced Date Tested

Flwg.

SI

07/14/05

Tbg. Press.

Tbg. Press

Flwg.

n/a Production - Interval B

07/16/05

2 " Pitot

Date First

Produced

Choke Size

Choice Size

27. Acid, Fracture, Treatment, Cement Sqeeze, Etc

A) Basin Fruitland Coal

9.625H-40 32.3

ConocoPhillips Company

At top prod. interval reported below

TVD 3768

23. Casing and Liner Record (Report all strings set in well)

20.0

15.5

Wt. (#/ft.)

Depth Set (MD) Packer Depth (MD)

Test Production

Test Production

24 Hr. Rate

24 Hr. Rate

5525 Highway 64 Farmington NM 87401

UNITED STATES

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Oil Well Gas Well Dry

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)

15, 32N, 9W; 2434 FSL, 120FEL

DEPARTMENT OF THE INTERIOR	
BUREAU OF LAND MANAGEMENT	

	DEPARTMI BUREAU O	NITED STATENT OF THE DESCRIPTION OF LAND MAN	INTER IAGEM	ENT	AND	l OG				OMB NO	APPROVED D. 1004-0137 vember 30, 2000	
				EPURI		/				e Serial No 078687). 	
Gell Gas Well Dry Other New Well Work Over Deepen Plug Back Diff Resvr. Other									6. If Indian, Allottee or Tribe Name 5.7. Unit or CA Agreement Name and no.			
Other	·			(U	וטנו כנ		——————————————————————————————————————	1 1 3	7. Unit	or CA Agr	eement Name and no.	
any						RECE	VED				d Well No.	
	ND (974)			1		chide area code) W SAN JUAN 32 FED 15					FED 15 1A	
	on NM 8740	accordance with	·	5)599-3	30-045-32850							
	ושן של	34 FSL,		•	,				BASIN 11. Sec., Surve	FRUIT T., R., M., ey or Area nty or Paris		
15.	Date T.D. Rea	ched	Completed & A D	SAN JUAN NM 17. Elevations (DF, RKB, RT, GL) 8850 GL								
		Plug Back T.D.:	MD 37	766		20. Dep	th Bridge		et: M	D		
		Submit copy of e	TVD 37 ach)	766			well core DST run	n? 🔯	No 🗆	Yes (Sub	bmit analysis) omit analysis) (Submit copy)	
	Il strings set in	T		Cementer		f Sks. &	Slurr	y Vol.	Cemer	nt Top*	Amount Pulled	
#/ft.)	Top (MD)	Bottom (MD)	D	epth	Type o	of Cement	(BI	BL)	0		9 BBL	
	0	3343			540				0		33	
_	3290	3768	<u> </u>		0							
		 										
Packe	er Depth (MD)	Size	Depth	Set (MD)	Packer D	Depth (MD)		Size	Dept	h Set (MD)	Packer Depth (MD)	
				Perforation								
334	Top	Bottom 3706		erforated I -3706	nterval	.75	Size	No. 1	Holes	Open	Perf. Status	
										<u> </u>	15 16 17 18 70 m	
			-			-		 		- 400		
ment S	geeze, Etc.									10/1	AUG 2005	
T I.	damaamad	6.25" hole to	0 511 5			d Type of N	1aterial			ON ON		
UI	iderreamed (o.25" note to	9.5" 110	m 3349'-	3/08.					T	OSI. 3 Day. S	
										100 C		
											C 2 1 1/1 C C 6 C BY	
Test Product	Oil ion BBL	Gas W MCF BE	ater BL	Oil Gravit Corr. API	y	Gas Gravity	Pro	duction I	Method		A.L.	
)	▶ 0	1520 2	bbl					as Pun	iping U	nit		
24 Hr. Rate	Oil BBL	Gas W MCF BE	ater L	Gas : Oil Ratio		Well Statu	s			1	PTED FOR RECORE	
Cost	Loa	Geo		Tonc		I Ge-		ducti *	fath - 1	1	16 1 6 2005	
Producti	>	MCF BE		Oil Gravit Corr. API	y	Gas Gravity		duction M	viethod	FARimi RY	NGIUM FIELD OFFICE	
4 Hr. Rate	Oil BBL	Gas Wand	iter BL	Gas : Oil Ratio		Well Statu	s				TT. TTOMASHO,	

SI (See Instructions and spaces for additional data on reverse side)

24 psi

Hours Tested

Csg. Press.

28b. Produ	ction - Inter	val C			· · · · · · · · · · · · · · · · · · ·					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Thoke ize	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status		
c. Produc	tion - Inter	val D		L	<u>l</u>	<u> </u>	<u> </u>		· · · · · · · · · · · · · · · · · · ·	
ate First roduced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
hoke ize	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status		
-	osition of G	as (Sold,	used for fuel	, vented, e	etc.)					
Sold Summ		us Zones	(Include Aq	uifers):		· · · · · · · · · · · · · · · · · · ·		31. Form	ation (Log) Markers	
tests, i	all importation all importation described in the content of the co	nt zones o opth interv	r porsity and ral tested, cu	d contents shion use	thereof: Co d, time tool o	ored intervals open, flowing	and all drill-stem and shut-in pressu	res		
Forma	ation	Тор	Bottom	Bottom Descriptions, Contents, etc.					Name	Top Moss Dont
		 .		+	V			Naciamer	nto.	Meas. Dept
								Ojo Alam		2213
								Kirtland		2293
								Fruitland		3313
								Top Coal	MD	3348
								B. Main (Coal MD	3494
								PC Tongu	ie MD	3617
								B. Lowes	t Coal MD	3700
								Top PCCI	F MD	3701
A 44iti -		G= -14.	. 1							
Adaltio	nai remarks	(include	plugging pro	ocedure):						
Circle e	nclosed atta	chments:								
		-	gs (1 full set ng and ceme			eological Rep ore Analysis	oort 3. DST R 7. Other	eport 4. I	Directional Survey	
I hereby	certify that	the foreg	oing and att	ached info	ormation is o	complete and	correct as determin	ed from all avai	lable records (see attached i	nstructions)*
Name (p	olease print)	Juanita	Farrell	<u>.</u>			Title Regu	latory Analys	st	
Signatur	e Jua	aut_	Tavel	/			Date 08 /	09/2005		
le 18 U.S	Section	101 and 7	Γitle 43 U.S.	.C. Section	n 1212, mak	e it a crime fo	or any person know	ingly and willfu	ally to make to any departme	ent or agency of the Uni
tes and fa	alse, fictitio	us or frade	ilent statem	ents or rei	arecentation					_ ,

ConocoPhillips

Regulatory Summary

SAN JUAN 32 FED 15 #001A

Initial Completion, 6/13/2005 07:00 N/S Dist (ft) State/Province N/S Ref API/Bottom UWI Surface Legal Location E/W Dist (ft) E/W Ref County 300453285000 SAN JUAN **NEW MEXICO** NMPM-32N-09W-15-i 2,434.00 S 120.00 Ε Ground Elevation (ft) Latitude (DMS) Longitude (DMS) Spud Date Rig Release Date 6.850.00 36° 59' 0.9996" N 107° 45' 28.0008" E 6/4/2005

<Report Date?> - <End Date?>

Last 24hr Summary

6/13/2005 07:00 - 6/13/2005 19:00

Last 24hr Summary

moving rig & equipment to location

6/14/2005 07:00 - 6/14/2005 17:00

Last 24hr Summary

ru ground line's, inspection of dc's & sub's, blooie line's, flowback tank, choke line's = rig sent to town to change out engine

6/15/2005 07:00 - 6/15/2005 17:00

Last 24hr Summary

standby in town working on new rig engine

6/16/2005 07:00 - 6/16/2005 17:00

Last 24hr Summary

standby in town working on new rig engine

6/17/2005 07:00 - 6/17/2005 17:00

Last 24hr Summary

standby in town installing new rig engine

6/18/2005 07:00 - 6/18/2005 17:00

Last 24hr Summary

install new rig engine & moved rig to location

6/19/2005 00:00 - 6/19/2005 00:00

Last 24hr Summary

shut down over sunday father's day

6/20/2005 07:00 - 6/20/2005 19:00

Last 24hr Summary

miru key rig # 18 & equipment

6/21/2005 07:00 - 6/21/2005 19:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's, ru rig & equipment, nu bop's, hcr valve's, choke manifold & line's, blooie line's, all air & ground line's, test 7" csg & blind ram's 300# 10 min's & 1830# 30 min's for state integrity test, good test, test bop stack, pipe ram's, hcr valve's 300# 10 min's & 1820# 10 min's, good test, pu pipe out of pipe basket & put on pipe rack, tally pipe, gih w / 6 1/4" bit, bit sub, 14-3 1/2" dc's, 1-2 7/8" dp, 1-2 7/8" fn w / 1.81 profile & dp tag something solid @ 2946', ru power swivel, secured location & s.d.o.n.

6/22/2005 05:30 - 6/22/2005 00:00

Last 24hr Summary

stand down all key rig's safety meeting in town, travel time, safety meeting & jsa review's @ start of all operation's & crew change's, drilling out cmt f/ 2,946' to 7" float collar @ 3,297', drill out 7" float collar & 7" shoe @ 3,342', circ & correlate w / mud logger's, drilling ahead w / 6 1/4" bit to 3,700' w / air assist

6/23/2005 00:00 - 6/23/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, drill ahead w / 6 1/4" bit to td @ 3,768' w / air assist, r&r c/o to td w / air assist, puh, test well, cooh w / bha & dp, pu & mu under-reamer, rih w / bha & dp to 7" shoe @ 3,343', pu swivel, under-ream 6 1/4" hole to 9 1/2" hole f/ 3,349' - t/3,655' w / air assist.

6/24/2005 00:00 - 6/24/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, puh inside 7" csg w / bha, rd power swivel, w/o rental power swivel, ru rental power swivel, rih & under-reamed 6 1/4" hole to 9 1/2" hole f/ 3,655' - t/ 3,768' td w / air assist, circ bottom's up to clean up 7" csg, puh inside 7" csg w / bha, hang back swivel, cooh w / dp & bha, rih w / 6 1/4" bit, bha & dp to 3,343', pu swivel, r&r c/o to 3,706' w / air assist, puh inside 7" csg w / bha, test well & c/o rental swivel for key recondition swivel, surge well w / air assist

6/25/2005 00:00 - 6/25/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, surge well 3 time's w / hydraulic surge's, rih tag @ 3,675', r&r c/o to 3,706' w / air assist, puh inside 7" csg w / bha, surge well w / hydraulic surge.

6/26/2005 00:00 - 6/26/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o f/ 3,675' - t/ 3,706' w / air assist, puh inside 7" csg w / bha, surge well 3 time's w / water pad's, rih tag @ 3,467', r&r c/o f/ 3,467'- t/ 3,550' w / air assist

6/27/2005 00:00 - 6/27/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o f/ 3,550' - t/ 3,612' w / 1,800 to 1,200 scfm air, 10 to 6 bph mist, 1/2 gal of foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, med to heavy coal & shale w / 2 bph water gain, 85% coal, puh inside 7" csg w / bha, secured well & location, stand down for copc personnel safety review's, 550# shut in pressure during stand down time of 2.50 hr's, surge well natural, rih tag @ 3,581', r&r c/o t/ 3,612' w / air assist, return's to surface, heavy to med coal & shale w / 1.5 bph water gain, 11 down to 6 bucket's per hour off sample catcher.

Regulatory Summary

ConocoPhillips

SAN JUAN 32 FED 15 #001A

6/28/2005 00:00 - 6/28/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o f/ 3,612' - t/ 3,675' w / air assist, 1,200 to 1,800 scfm air, 6 to 10 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, heavy to med coal & shale w / 2 to 3 bph water gain, 12 down to 4 bucket's per hour off sample catcher, 80% to 90% coal

6/29/2005 00:00 - 6/29/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o t/ 3,706' w / air assist, puh inside 7" csg w / bha, test well, rih tag @ 3,620', r&r c/o t/ 3,644' w / air assist

6/30/2005 00:00 - 6/30/2005 00:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o t/ 3,644' w / air assist, 1,500 to 1,200 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, heavy to med coal & shale w / 2 to 3 bph water gain, 10 down to 3 bucket's per hour off sample catcher, 85% coal.

7/1/2005 06:00 - 7/2/2005 06:00

Last 24hr Summary

r&r c/o t/ 3,644' w / air assist, 1,500 to 1,200 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's, heavy to med coal & shale w / 2 to 3 bph water gain, 3 bucket's per hour off sample catcher, 85% coal crew change, pre job safty meeting, rig service. r&r c/o t/ 3,644' w / air assist, 1,500 to 1,200 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's, heavy to med coal & shale w / 2 to 3 bph water gain, 3 bucket's down to 1 bkt per hour off sample catcher, 85% coal pull bit into 7" to conduct surges. conduct 3 pad surges as follow's

3 gal's of foamer ahead, pump 10 bbl water pads, 1,800 scfm air, 10 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, 1,300# to 1,450# dp pressure & 1,100# to 1,300# backside pressu, returnsblack water & foam, lite to med coal, tih from shoe, tag fill @ 3590'. r&r cleaning out @ 3590' to 3610' w / air assist, 1,500 to 1,200 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, return's to surface, returns 3 bkts per hour off sample catcher, 85% coal, 2 to 3 bbls water gain per hr.

7/2/2005 06:00 - 7/3/2005 06:00

Last 24hr Summary

r&r cleaning out @ 3590' to 3610' w / air assist, 1,500 to 1,200 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, returns 3 bkts per hour off sample catcher, 85% coal, 2 to 3 bbls water gain per hr. crew change, pre job safty meeting, rig service. r&r cleaning out @ 3610' w / air assist, 1,500 to 1,200 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, returns 3 bkts down to1-1/2 bkts per hour off sample catcher, 85% coal, 2 to 3 bbls water gain per hr. make conection r&r clean out from 3610' to 3644' w / air assist, 1,500 to 1,200 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, returns 3 bkts per hour off sample catcher, 85% coal, 2 to 3 bbls water gain per hr.

7/3/2005 06:00 - 7/4/2005 06:00

Last 24hr Summary

r&r clean out @ 3644' w / air assist, 1,500 to 1,200 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, returns 3 bkts per hour off sample catcher, 85% coal, 2 to 3 bbls water gain per hr. crew change, pre job safty meeting, rig service. r&r clean out @ 3644' w / air assist, 1,500 to 1,200 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, returns 3 bkts down to 1-1/2 bkts per hour off sample catcher, 85% coal, 2 to 3 bbls water gain per hr. pull bit into 7", circulate casing clean, shut in secure well, shut down for holiday

7/5/2005 07:00 - 7/6/2005 06:00

Last 24hr Summary

pre job safty meeting, check pressure, 1000 psi. blead pressure down to 500 psi, open hcr's release natural surge. tih from shoe, tag fill @ 3620'. r&r clean out @ 3644' w / air assist, 1,500 to 1,200 scfm air, 8 bph mist, 1/2 gal foamer, 1/4 gal corrosion inhibitor per 15 bbl's of fluid pumped, returns 4 bkts per hourdown to 2 bkts off sample catcher, 85% coal, 2 to 3 bbls water gain per hr.

7/6/2005 06:00 - 7/7/2005 06:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's, r&r c/o t/ 3,644' w / air assist, puh, surge well, rih tag bridge @ 3,480', r&r c/o t/ 3,500', puh, surge well w / air assist.

7/7/2005 06:00 - 7/8/2005 06:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, surge well & c/o to 3,487', several time's, working on breaking down top coal.

7/8/2005 06:00 - 7/9/2005 06:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's, r&r c/o t/ 3,487' w / air assist, puh inside 7" csg w / bha, surge well 3 time's w / 8 bbl water pad's, rih tag @ 3,350', r&r c/o t/ 3,395' w / air assist

7/9/2005 06:00 - 7/10/2005 06:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o f/ 3,395' - t/ 3,519' w / air assist, return's to surface, heavy to med coal & shale w / 1 bph water gain.

7/10/2005 06:00 - 7/11/2005 06:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o t/ 3,550' w / air assist, puh inside 7" csg w / bha, check & change oil on all equipment, rih tag fill @ 3,550', r&r c/o t/ 3,644' w/ air assist.

7/11/2005 06:00 - 7/12/2005 06:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o t/ 3,675' w / air assist

Page 2/3

Report Printed: 8/9/2005

ConocoPhillips

Regulatory Summary

SAN JUAN 32 FED 15 #001A

7/12/2005 06:00 - 7/13/2005 06:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, r&r c/o t/ 3,706' w / air assist

7/13/2005 06:00 - 7/14/2005 06:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, trying to dry up well for test, puh, test well, rih tag @ 3,690', r&r c/o to td @ 3,768' w / air assist, short trip to check hole condition's

7/14/2005 06:00 - 7/14/2005 19:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's, puh, hang back swivel, cooh w/ pipe, run liner, release off liner, cooh laying down pipe, secured well & location, s.d.o.n.

7/15/2005 07:00 - 7/15/2005 20:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's & crew change's = log & perforated 5 1/2" liner, ru 2 3/8" equipment, test, rih & c/o to pbtd @ 3,766' w / air assist, puh, land hanger, secured well & location, s.d.o.n.

7/16/2005 07:00 - 7/16/2005 20:00

Last 24hr Summary

safety meeting & jsa review's @ start of all operation's, had 650# on csg, nd bop's & nu pumping wellhead, ru rod equipment, run pump & rod's, space out, test tubing & pump, hang-off, rd & release rig & equipment,

Page 3/3

Report Printed: 8/9/2005

END OF WELL SCHEMATIC ConocoPhillips Well Name: San Juan 32 Fed 15 #1A Patterson Rig: #747 API#: 30-045-32850 Spud: 4-Jun-05 Location: 2434' FSL &120' FEL Note - this well is equipped with rods & pump 5:00 Spud Time: Sec. 15- T32N- R9W $7^{-1}/_{16}$ " 3M x $2^{-3}/_{8}$ " EUE 8rd Bonnet Release Drl Rig: 8-Jun-05 San Juan County, NM 11" 3M x 7-1/16" 3M Tubing Head Time Release Rig: 0:00 Elevation: 6850' GI (above MSL) 9-5/8" 8 RD x 11" 3M Casing Head Move In Cav Rig: 13-Jun-05 Drl Rig RKB: 13' above Ground Level Release Cav Rig: 16-Jul-05 Datum: Drl Rig RKB = 13' above GL **SurfaceCement** X New Date cmt'd: 4-Jun-05 Surface Casing Date set: 4-Jun-05 Used Lead: 150 sx Class G Cement 9 5/8 + 3% BWOC Calcium Chloride Set at 234 ft # Jnts: +0.25 lb/sx D029 Cellohane Flakes 32.3 H-40 1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg Wt. _ppf Grade _ Conn _ STC Hole Size 12 1/4 in Displacement: 15.0 bbls fresh wtr 125 Excess Cmt Bumped Plug at: __14:44 hrs w/ 491 psi Final Circ Press: T.O.C. SURFACE Csg Shoe 234 ft 41 psi @ 1.3 bpm TD of 12-1/4" hole 240 ft Returns during job: YES CMT Returns to surface: 9 bbls Notified BLM @ 8:00 hrs on 03-Jun-05 Floats Held: No floats used Notified NMOCD @ 8:00 hrs on 03-Jun-05 W.O.C. for 6,00 hrs (plug bump to start NU BOP) W.O.C. for 8.50 hrs (plug bump to test csg) Intermediate Casing Date set: 7-Jun-05 New Intermediate Cement 78 Used Size in Date cmt'd: 7-Jun-05 _pups ft 0 Set at 3343 Lead: 440 sx Class G cement Wt. __ +3% D079 Extender 20 __ppf Grade _ J-55 _in 8 3/4 STC +0.25 lb/sx D029 Cellophane Flakes Hole Size Conn _% Top of Float Collar 3297 ft 160 +0.2% D046 Antifoam **Excess Cmt** T.O.C. SURFACE Bottom of Casing Shoe 3343 ft Pup @ 0 TD of 8-3/4" Hole 3348 ft 2.61 cuft/sx, 1148.4 cuft slurry at 11.7 ppg _0= Tail: 100 sx 50/50 POZ: Standard cement Pup @ Notified BLM @ 10:30 hrs on 06-Jun-05 + 2% Bentonite Notified NMOCD @ 10:30 hrs on <u>06-Jun-05</u> + 2% Calcium Chloride + 5 lb/sx Gilsonite Date set: __14-Jul-05 X New + 0.25 lb/sx Flocele Production Liner Used Size 5 1/2 in +0.1% D046 Antifoam 1.27 cuft/sx, 127 cuft slurry at 13.5 ppg Nominal Wt. 15.5 _ppf Grade J-55 Connections: Displacement: 133.5 did not bump plug # Jnts: 11 Bumped Plug at: Hole Size 6.25" / 9.5" inches Final Circ Press: 398 psi at 2 bpm Underreamed 6-1/4" hole to 9.5" from 3349' to 3768' Returns during job: Top of Liner 3290 ft CMT Returns to surface: 33 PBTD _ 3766 ft Floats Held: X Yes C Bottom of Liner 3768 **UNCEMENTED LINER** Schematic prepared by: Aaron Fuhr, Development Engineer ΤĐ 3,768 22-July-2005 COMMENTS: 9-5/8" Surf: No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe @ 190'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing it. CENTRALIZERS @ 224', 146', 103' & 59'. Total: 4 DISPLACED W/ 133.5 BBLS. 8.4 PPG SLIGHTLY POLYMERIZED DRILL WATER 7" Intermediate CENTRALIZERS @ 3333', 3254', 3168', 3082', 2996', 2909', 210', 82' & 39'. Total: 9 TURBOLIZERS @ 2308', 2265', & 2222' Total: 3 5.5" Liner Ran 6 1/4" bit and bit sub with float valve on bottom of liner. Ran and set the liner w/ TIW H-Latch Drop Off Tool (no liner hanger). Perforations Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes

Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt.

CENTRALIZERS @ 224', 146', 103' & 59'.

Total: 4

7" Intermediate

DISPLACED W/ 133.5 BBLS. 8.4 PPG SLIGHTLY POLYMERIZED DRILL WATER

CENTRALIZERS @ 3333', 3254', 3168', 3082', 2996', 2909', 210', 82' & 39'.

Total: 9

TURBOLIZERS @ 2308', 2265', & 2222'

Total: 3

5.5" Liner

Ran 6 1/4" bit and bit sub with float valve on bottom of liner. Ran and set the liner w/ TIW H-Latch Drop Off Tool (no liner hanger).

Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes

Perf. Intervals: 3348'-3352', 3356'-3368', 3376'-3382', 3386'-3396', 3406'-3414', 3480'-3488', 3618'-3644', 3686'-3692', 3698'-3706': Total 352 holes

Tubing

2-3/8" Mud Anchor 31.3' long with 1- 1/2" hole set just below the upset, 2-3/8" x 2-1/16" EUE 8rd XO collar, 2-3/8" OD (1.78" ID) F-Nipple, and 118 jts 2-3/8" 4.7# J-55 EUE 8rd tubing

Bottom of Mud Anchor at 3749'. Top of F-Nipple at 3718' MD RKB.

Pump

2" x 1-1/4" x 12' RHAC-ZDV insert pump, 3 each 1 1/4:" x 25' sinker bars, 145 each 25' x 3/4" rods, spaced out with 1ea 6' x 3/4" OD pony rods & 1 ea 1-1/4" OD x 22' polished rod

Rods

Set pump in F-Nipple at 3717' MD RKB