District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St. Francis Dr , Santa Fe, NM 87505

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OCT 07 2009
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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
June 16, 2008

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
ConocoPhillips Company P.O. Box 51810 Midland, Texas 79710-1810	217817
	[3] API Number 30 – 025-06703

[3] Property Code	[5] Property Name	[6] Well No.
31487	M.E. Wantz Mr.	9

[9] Proposed Pool 1	[10] Proposed Pool 2
Blinebry O&G (oil)	

[7] Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	21	21S	37E		1980	South	1980	East	Lea

[8] Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
A	G/O	R	~~S~~ P	3448'
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
No	6630	ABO	Nabors	

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.75"	13.375"	54.5#	191'	200	Surface
12.25""	9.625"	36#	2749'	500	Surface
8.75"	7"	23#	6627'	500	Surface

[22] Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

ConocoPhillips currently produces this well from the Tubb formation with perforations at 6120-6190 & 6350-6465, A correlation log is attached which shows the top of the Tubb at ~6085'. COP would like to add perforations in the Blinebry formation with perforations at 5573-5931. It would be COP's intent at some point to commingle these perforationswith the Tubb and Drinkard perfs above the CIBP at 6472'.

Please see the attached procedure for more specific information.

Permit Expires 2 Years From Approval Date Unless Drilling Underway
Adding

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

Signature: Justin C. Firkins

Printed name: Justin C. Firkins

Title: Regulatory Specialist

E-mail Address: justin.c.firkins@conocophillips.com

Date: 10/06/2009 /Phone: 432-688-6913

OIL CONSERVATION DIVISION

Approved by:

Title: PETROLEUM ENGINEER

Approval Date: DEC 08 2009 Expiration Date:

Conditions of Approval Approval to drill & test all new zones separate, but cannot produce Downhole commingle until DHC is approved in Hobbs District office according to R-11363

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-06703	6660	Blinebry O&G (oil)

[4] Property Code	[5] Property Name	[6] Well Number
31487	M.E. Wantz "A"	9

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	ConocoPhillips Company	3448' GR

[10] Surface Location

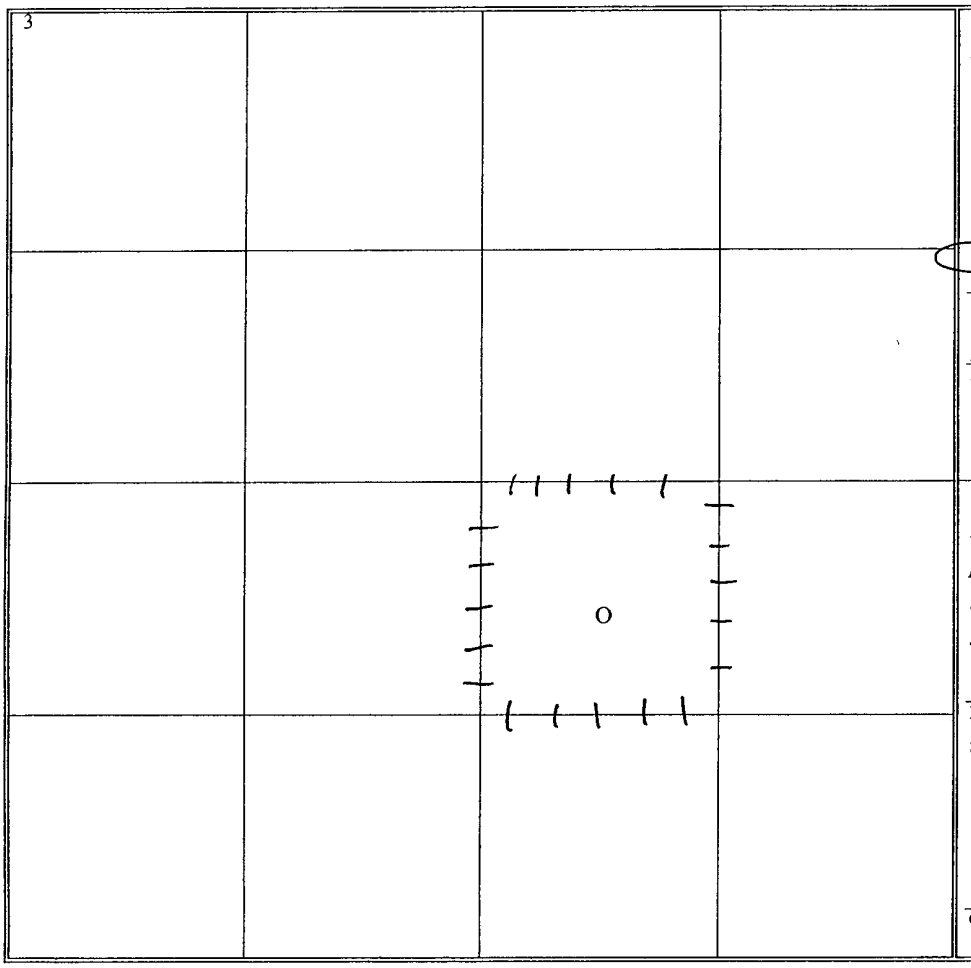
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	21	21S	37E		1980	South	1980	East	Lea, NM

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Justin C Firkins 10/06/2009
Signature Date

Justin C Firkins
Printed Name

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

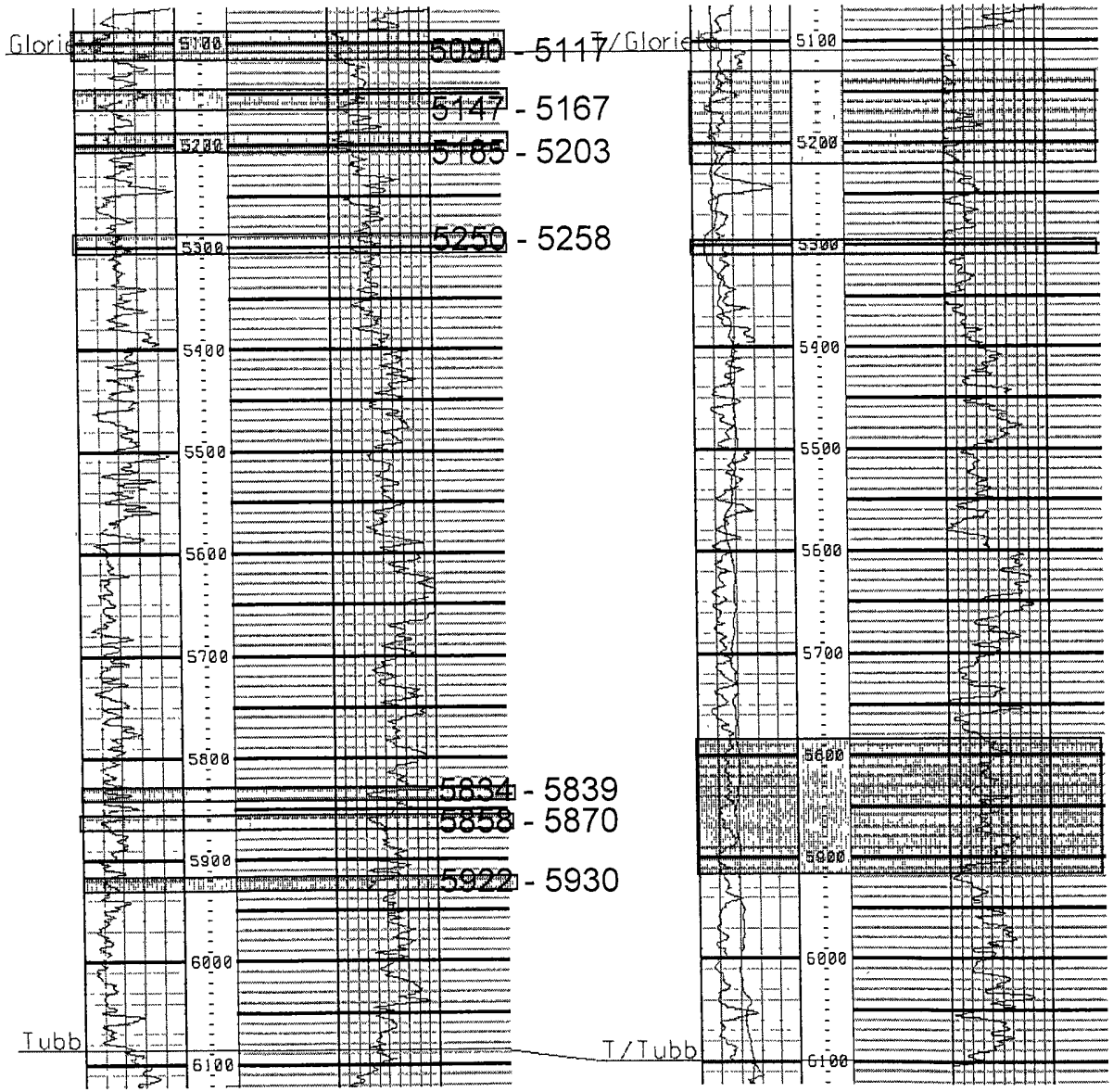
Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number

WANTZ M 9

WANTZ M 3 E



WANTZ #9
WBS ELEMENT – WA5.CNM.____
WellView Well Name – **Wantz 09**
Recompletion Procedure

September 29, 2009

Objective: Recomplete to the Blinebry, reenter the Drinkard, and downhole commingle the Blinebry/Tubb/Drinkard.

COPC WI: 100%	COPC NRI: 87.5%	State: New Mexico
Well Status: Active	Well Type: Gas Well	County: Lea
Area: Permian	Field: Tubb Oil & Gas	Team: Hobbs East
Venting: Permit not required	Flaring: Permit not required	H_2S: Possible

Well Control: Class 2 Category 1 (post perforating & post stimulation)

IMPORTANCE OF SAFETY

Safe operations are of utmost importance at all ConocoPhillips properties and facilities. To further this goal, the ConocoPhillips Supervisor at the location shall request tailgate safety meetings prior to initiation of work and also prior to any critical operations. All company, contract, and service personnel then present shall attend these tailgate safety meetings at the location. All parties shall review the proposed upcoming steps, procedures, and potentially hazardous situations. Occurrence of these meetings shall be recorded in the WellView daily operations report.

History / Justification

The purpose of the proposed project is to recomplete the Wantz #9 to the Blinebry formation, reenter the Drinkard, and downhole commingle the Blinebry/Tubb/Drinkard. The subject well was originally drilled to 6630' and completed in the Drinkard during January 1948. The well was completed in the Tubb and produced as a dual Tubb/Drinkard completion in September 1950. The Drinkard was fracture treated in April 1959 with 3000 gallons of lease oil and 2000 lbs of sand. During November 1975, the lower Drinkard was abandoned, the upper Drinkard was perforated and fracture treated with 39,500 gallons of gelled water and 75,000 lbs of 20-40 mesh sand, and the well was placed back on production as a dual Tubb/Drinkard completion. The upper Drinkard was abandoned in December 1990, and the Tubb was placed on rod pump during January 1991. The Drinkard produced 90,971 BO, 278,781 MCFG and 5155 BW during its lifetime. The Tubb has produced 33,514 BO and 3.57 BCFG thru October 2008. NMOCD Order #DHC-1995 was approved on 7/21/1998 to allow the Tubb and Drinkard to be downhole commingled. The Tubb is currently producing (0 BO, 0 BW, and 1.5 MCFD on a 24-hour test dated 2/1/2009), but Operations suspects the tubing is partially plugged since the well cannot be swabbed. The initial setup will be Blinebry only until the zone can be pumped down from the virgin BHP. This is to prevent cross flow from the Blinebry to the partially depleted Tubb zone. The composite plug and RBP will be removed the first time the well goes down and requires a rig for maintenance. The Tubb and the Drinkard should contribute 1 BOPD and 50 MCFD with the use of rod pumping equipment.

An initial rate of 20 BOPD with 50 MCFD is projected based upon the initial rates of nearby wells and log data. Economics were performed using an exponential decline rate of 25% per year, 2010 LRP (08/09) prices, a recompletion cost of $440,000, a facilities cost of $68,445, and an operating cost of $7.92/BOE per year. ConocoPhillips owns a 100% WI and a NRI of 87.5% below 4250' in the 40-acre tract that the well is located. This project yields an ATAX ROR of 30.8% with a NPV of $180M at 13%.

Wantz #9
Recomplete to Blinebry

AFE Number: WA5.CNM.____

API Number: 30-025-06703

Field: Tubb Oil & Gas

Location: 1980' FSL & 1980' FEL, Sec. 21, T-21-S, R-37-E, Lea County, NM

Depths: TD = 6630' PBTD = 6305'

Elevation: GL = 3448.5' DF = 3458' (reference datum) KB = 3459'

Casing Data:

Existing & Proposed Casing, Tubing and Packer Information

	OD (in)	Depth (ft)	ID/Drift (inches)	Weight (#/ft)	Grade	Burst	Burst w/ 1.15 D.F.	Collapse (psi)	Collapse w/ 1.05 D.F.	Volume (Bbls/Ft)
Surf. Csg.	13⅜	191	12 715/12.559	48	H-40	1730	**1504**	770	**733**	.1573
Int. Csg.	9⅝	2749	8.921/8.765	36	J-55	2560	**2226**	1740	**1657**	.0773
Prod. Csg	7	5687	6.366/6.241	23	J-55	4360	**3791**	3270	**3114**	0393
Prod. Csg	7	6627	6.366/6.241	23	N-80	6340	**5513**	3830	**3648**	.0393
Prod. Tbg	2⅞	6450±	1.995/1.901	4.7	J-55	7700	**6696**	8100	**7714**	.0038

Top of Cement: Estimated at 3905' Casing Fluid: fresh water

Proposed Cased Hole Perforations:

Formation	Perforations (MD)	Frac Grad	Perf Feet	SPF	Phase	Zero Hole	Holes	Anticipated Reservoir Pressure	Reservoir Temp
Tubb	6120-6190'	.75	70	4	NA	No	280	NA	105°
Drinkard	6350-6465' OA	.75	8	2	NA	No	16	NA	108°
Blinebry	5573-5582'	.75	9	1	60	No	9	2591	100°
	5669-5677'	.75	8	1	60	No	8	2636	100°
	5710-5717'	75	7	1	60	No	7	2655	100°
	5763-5768'	.75	5	1	60	No	5	2680	100°
	5833-5841'	.75	8	1	60	No	8	2712	100°
	5858-5865'	75	7	1	60	No	7	2724	100°
	5921-5931'	.75	10	1	60	No	10	2753	100°

Correlation Log: Lane Wells Radioactivity log dated 1/11/48
Gun Type: 4" HEGS-DP 41B HJ SX1, 22.7 gram HMX, (API 19B: Pen – 21.67", EHD - 0.42")

Prepared by: David McPherson/Jack Lowder: Production Engineers, Permian Group
Mobile: 1 (903) 316-4272 (McPherson) Home: 1 (903) 894-3547 (McPherson)

GENERAL NOTES

1. No project or task is to be performed unless it can be done safely and without harm to the environment. All work must comply with all State and Federal regulations and with COPC Safety and Environmental Policies.

2. Conduct daily safety meetings and review all procedures with all contractors prior to performing the operation.

3. Report all activity on the WellView Daily Completion Work-Over Report.

4. Insure contractors are familiar with and comply with all relevant COPC safety/environmental policies.

5. Spills are to be prevented. Utilize a vacuum truck as necessary.

6. Throughout the entire completion process, any fluids from the well-bore that are displaced or produced must be sent through the flow-back equipment so that the fluids can be properly disposed.

7. Verify that all pressured lines and fittings meet or exceed the MPSP (Maximum Predicted Surface Pressure) for the treatment lines of **7500** psi for the pressure test during stimulation operations. Maximum treatment pressure during the sand frac will be **6000** psi. MPSP from the zone should not be greater than 2000 psi before and after stimulation operations of the Blinebry zone.

8. Well control for this well will be Class 2, Category 1 before and after stimulation. Expected Shut in Casing Pressures (SICP) before & after stimulation should not exceed 2000 psi.

Mid-Continent / Permian / Hobbs East Contact List:

Reservoir Engineer:	D. Pecore	832-486-2145
Geologist:	D. Larasati	832-486-2061
Production Engineer:	J. Lowder	432-368-1609
Facilities Engineer Tech:	L. Johansen	432-368-1223
Operations Supervisor:	J. Coy	575-391-3127
Projects Planner:	D. Garrett	432-368-1410
Production Foreman:	V. Mackey	575-391-3129

Recommended Procedure

1. MIRU workover unit. Test anchors as needed. ND wellhead, NU BOP's and test. TOOH with 2⅜", 4.7 lb/ft, J-55 production tubing. Scan tubing while TOOH. If tubing is acceptable, replace bad joints and use 2⅜" production tubing as workstring. If 2⅜" production tubing is unacceptable, lay down tubing, send tubing in for inspection and haul in enough of 2⅜", 4.7 lb/ft, J-55 production tubing/workstring for bit trip to 6305'±.

2. TIH with 6⅛" bit and scraper to 6305'±. Test 2⅜" workstring to 6000 psi while TIH. TOOH with bit & scraper.

3. MIRU Schlumberger wireline. RU 5000 psi lubricator. Correlate to Lane Wells Radioactivity log dated 1/11/48. Run GR/Neutron/Sigma log from 6470'± to 3500'±. Run Cement Bond Log from 6470' to 200' above the top of cement. Set 5K composite plug at 6000'±. Perforate the Blinebry from 5573-5582', 5669-5677', 5710-5717', 5763-5768', 5833-5841', 5858-5865', and 5921-5931', loaded 1 SPF with 60° phasing using 4" HEGS-DP 41B HJ SX1, 22.7 gram HMX, (API 19B: Pen – 21.67", EHD - 0.42"). POOH with perforating gun and verify that all shots have fired.

4. RDMO wireline and lubricator.

5. PU 3½", 9.3#/ft, N-80 workstring. TIH with 7" packer on 3½" workstring. Test 3½" workstring to 8000 psi while RIH. Set packer at 5500'±. NU 10K frac valves on 3½" workstring.

6. MIRU Schlumberger pumping services equipment. RU and test all lines to 7500 psi and monitor for 5 min. Make sure the pressure does not decrease more that 200 psi over the 5 min. Pressure up casing/tubing annulus to 200 psi and monitor during job.

7. Perform acid ballout with 2700 gals 15% NEFE HCl acid with 65± bio-balls spaced evenly throughout the acid. Obtain ISIP and 5 min shut-in pressure. When acid is on perfs, bring rate up to 15-16 BPM. Surge the well 3-4 times to dislodge balls. Shut down for 20 minutes to allow balls to fall.

   Note: It is a ConocoPhillips policy to have shower facilities on location when using acid.

8. Unseat packer and reverse out any spent acid from tubing. Reset packer. RU swab unit and swab test the Blinebry. RD swab unit.

   NOTE: Contact Jack Lowder with results of swab test before proceeding.

9. RU Wireline. TIH with BHP bomb with 48+ hr clock. Shut well in and obtain a 48± BHP test. Do not add any water to the tubing once swabbing operations cease.

10. POOH with BHP bomb. Contact Doug Pecore with results of BHP survey. RD wireline unit.

11. Spot two 500 bbl clean, lined frac tanks and fill with 2% KCl. Add biocide to the first load of each tank.

12. MIRU Schlumberger pumping services equipment. RU and test all lines to 7500 psi and monitor for 5 min. Make sure the pressure does not decrease more that 200 psi over the 5 min. Pressure up casing/tubing annulus to 200 psi and monitor during job.

13. Fracture treat the Blinebry 5573-5931' overall with 26,200 gal of YF120ST containing 65,800 lbs of 20-40 mesh sand using PropNET as per attached treating schedule. Set treating line pop off at 7000 psi. Set annulus pop off at 500 psi. Set pump trips at 6800 psi. Frac at 30± BPM with maximum wellhead treating pressure of 6000 psi.

14. Obtain ISIP and 5 minute, 10 minute, and 15 minute shut-in pressures. Close Hydraulic Master Valve. RD Schlumberger pumping services equipment.

15. Unseat packer and reverse out any excess sand from tubing if flush volume not achieved. TOOH with 7" packer and 3½" workstring. Lay down 3½" workstring.

16. TIH with 6⅛" bit on 2⅜" tubing to composite plug at 6000'±. Do not drill out plug. Circulate out any excess sand from frac job. When wellbore is clean, POOH with 2⅜" tubing and bit.

17. TIH with 2⅜", 4.7 lb/ft, J-55 tubing string per tubing design in Well View. Place the EOT @ 5960'± with the tubing anchor set at 5520'±. Maintain a dynamic fluid column (DFC) while running tubing. Trickle some fresh water down the tubing head valve.

18. ND BOP's and NU wellhead. RIH with pump and rods as per pump and rod design in Well view. Space out pump and hang well on. Load tubing and check pump action.

19. RDMO well service rig. Turn well over to Operations and return well to production. Report results on morning report.

20. Contact chemical representative to schedule corrosion/scale inhibition treatment and place well on corrosion/scale inhibition program. Place stabilized rate in Avocet. Submit change of status report.

Wantz #9

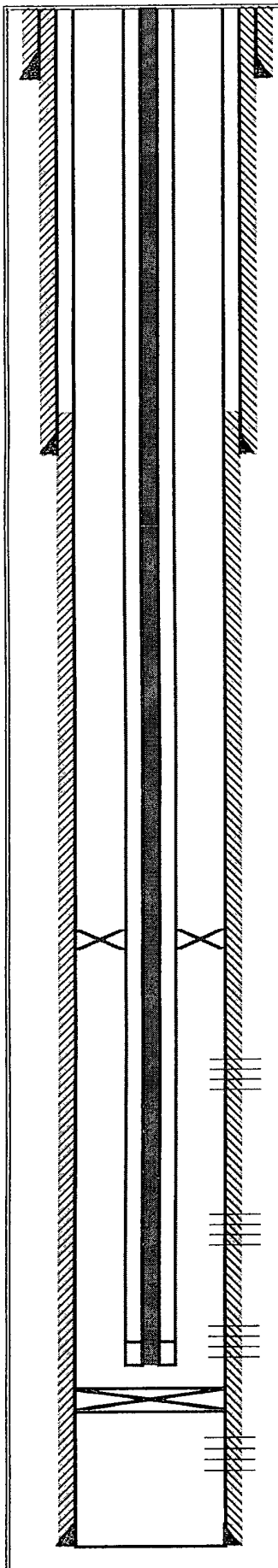
PROPOSED WELLBORE DIAGRAM

API #:	30-025-06703				
FIELD:	Tubb Oil & Gas				
CO, ST:	Lea, NM		AREA:	Hobbs East	
SECTION:	21	TOWNSHIP:	21S	RANGE:	37E
LOCATION:	1980' FSL & 1980' FEL				
DATES:	SPUD: 11/28/47		IC: 2/1/48		
	LATEST RIG WORKOVER:				
	DIAGRAM REVISED:	9/28/09 by D. McPherson			

	CASING				TUBING
Hole Size	17¼"	12¼"	8¾"		
Pipe Size	13⅜"	9⅝"	7"		2⅜"
Weight	48#	36#	23#		4.7#
Grade	H-40	J-55	J-55		J-55
Thread	8rd	8rd	8rd		8rd
Depth	191'	2749'	6627'		6450'±

ELEVATION:	GR 3448.5', DF 3458', KB 3459'
TREE CONNECTION:	

Tubing Description	Length	From	To
Elevation	9.50	0.00	9.50
180 jts 2⅜" 4.7# J-55 tubing	5510.50	9.50	5520.00
Tubing Anchor	4.00	5520.00	5524.00
30 jts 2⅜" 4.7# J-55 tubing	925.00	5524 00	6449 00
Seating nipple	1.00	6449.00	6450.00



13⅜" @ 191', cmtd w/ 200 sx

9⅝" @ 2749', cmtd w/ 500 sx

TAC @ 5520'±

Blinebry
Perfs: 5573-5582', 5669-5677', 5710-5717', 5763-5768'
Perfs: 5833-5841', 5858-5865', 5921-5931'

Tubb
Perfs: 6120-6190' (11/50)

Drinkard
Perfs: 6350-6465' (11/75)

CIBP @ 6472'

Drinkard
Perfs: 6546-6584' (1/48)
Perfs: 6590-6630' Sqzd (1/48)

7" @ 6627', cmtd w/ 500 sx

TD 6630'

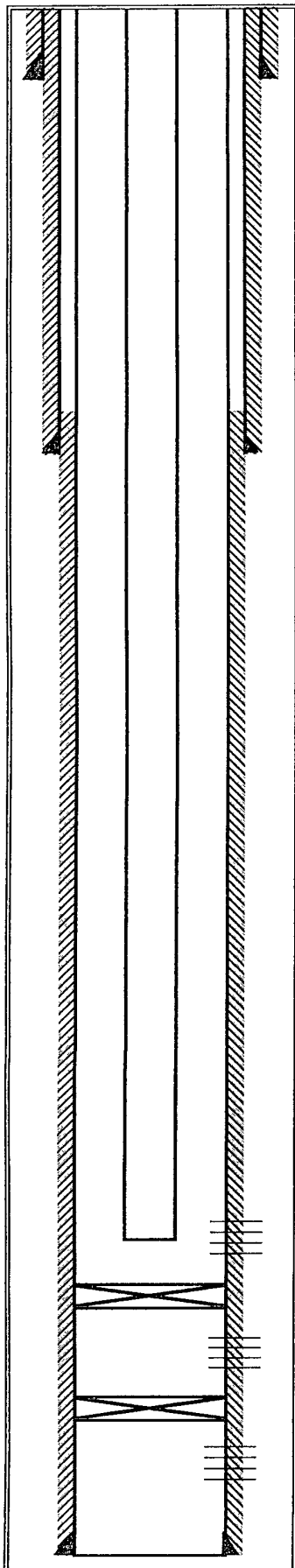
COMMENTS

1. Lane Wells Radioactivity Log Dated 1/11/48

Wantz #9

CURRENT WELLBORE DIAGRAM

API #:	30-025-06703				
FIELD:	Tubb Oil & Gas				
CO, ST:	Lea, NM		AREA:	Hobbs East	
SECTION:	21	TOWNSHIP:	21S	RANGE:	37E
LOCATION:	1980' FSL & 1980' FEL				
DATES:	SPUD: 11/28/47		IC: 2/1/48		
	LATEST RIG WORKOVER:		3/10/93		
	DIAGRAM REVISED:		9/28/09 by D. McPherson		



13⅜" @ 191', cmtd w/ 200 sx

9⅝" @ 2749', cmtd w/ 500 sx

Tubb
Perfs: 6120-6190' (11/50)

RBP @ 6305' (1990)

Drinkard
Perfs: 6350-6465' (11/75)

CIBP @ 6472'

Drinkard
Perfs: 6546-6584' (1/48)
Perfs: 6590-6630' Sqzd (1/48)

7" @ 6627', cmtd w/ 500 sx

TD 6630'

	CASING				TUBING
Hole Size	17¼"	12¼"	8¾"		
Pipe Size	13⅜"	9⅝"	7"		2⅜"
Weight	48#	36#	23#		4.7#
Grade	H-40	J-55	J-55		J-55
Thread	8rd	8rd	8rd		8rd
Depth	191'	2749'	6627'		6137.5'

ELEVATION: GR 3448.5', DF 3458', KB 3459'
TREE CONNECTION:

Tubing Description	Length	From	To
Elevation	9.50	0 00	9 50
193 jts 2⅜" 4.7# J-55 tubing	6128 00	9 50	6137.50

Pump Unit:

COMMENTS

1. Lane Wells Radioactivity Log Dated 1/11/48