



500 W. Illinois  
Midland, TX. 79701  
Ph (915) 498-8600  
Fax (915) 687-3863

March 29, 2004

Oil Conservation Division  
OCD District 2 Office  
1301 W. Grand Avenue  
Artesia, New Mexico 88210  
ATTN: Mr. Bryan Arrant-District Geologist

Re: Surface Commingle Request  
Mead #5 (API # 30-015-33149)  
Carlsbad; Morrow, South (Pro Gas) and  
Undesignated (Wolfcamp) Pools  
UL P, Sec. 5, T-22-S, R-27-E  
Eddy County, New Mexico

RECEIVED

MAR 31 2004

OCD-ARTESIA

Dear Mr. Arrant,

Pure Resources, L. P. respectfully requests administrative approval to surface commingle production from the Carlsbad; Morrow, South (Pro Gas) Pool (73960) and the Undesignated (Wolfcamp) Pool [or Eddy Undesignated (Wolfcamp) Pool (91162) as it is closest known Wolfcamp production], from the Mead Well No. 5.

We plan to "dually complete" or "Multiple Complete (Conventional)" this wellbore such that production from each common source of supply stays completely segregated within the wellbore by means of tubing and packers (see attached wellbore schematic).

Production from each source will be processed through respective separators. The separated water from each source will be metered prior to commingling within a 500-barrel fiberglass water tank. In addition, the separated oil produced from each source will be metered prior to commingling within 400-barrel stock tanks. Each separated gas stream will run through their respective El Paso meters. (Please see attached facility schematic).

There is common ownership of each captioned source of supply produced from the Mead #5 well. As each source will be separately produced and metered, we do not see application of an allocation of production methodology, unless it is by periodic testing. We also do not foresee adverse effects on recovery of hydrocarbons nor any devaluation of hydrocarbon products from either common source through this process. We also understand that approval is contingent upon a successful packer leakage test performed within 20 days of completion.

It is our current understanding that approval of this administrative application to surface commingle the liquid production from the Mead #5 well will come from the District Office's jurisdiction and that the downhole mechanical configuration or "dual

completion" as presented is sufficient and also only requires District level approval. Please advise us as soon as possible if additional information or if other jurisdictional approval is required. We are currently on this well now performing this completion procedure (also attached) and would like to produce this well accordingly as soon as the work is completed.

Your immediate consideration and approval of this request is greatly appreciated. If you have any questions or require additional information, please contact me at (432) 498-8662 or by e-mail at [abohling@pureresources.com](mailto:abohling@pureresources.com) . Again, thank you for your time, help and consultation on this application.

Sincerely,

A handwritten signature in cursive script that reads "Alan W. Bohling". The signature is written in black ink and is positioned above the printed name.

Alan W. Bohling

Regulatory Agent

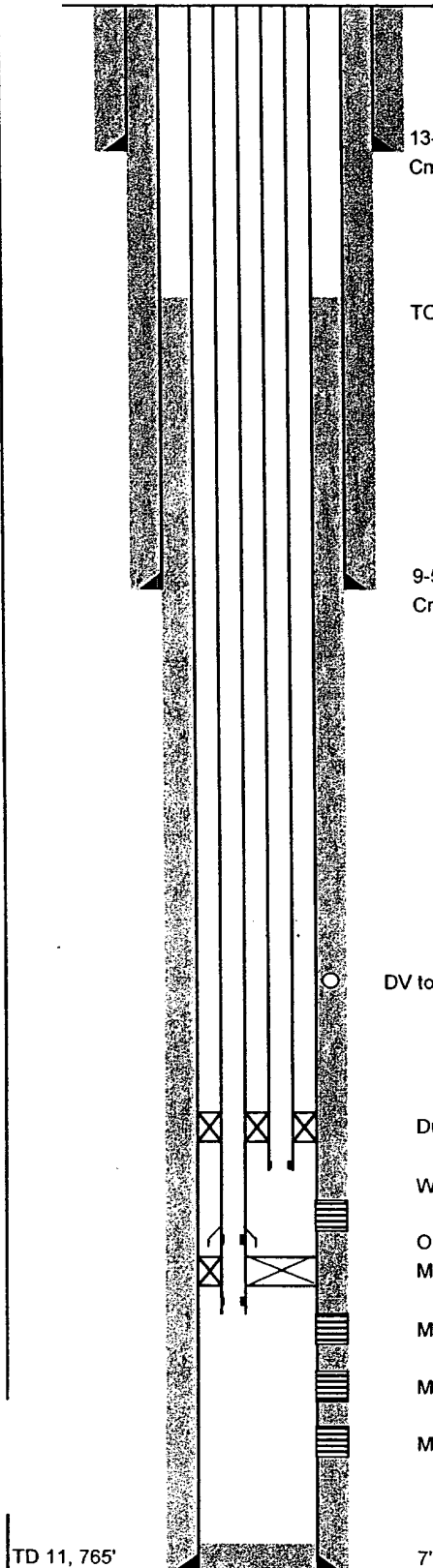
WELL: MEAD #5  
FIELD: Carlsbad South



A Unocal Company

API # 30-015-33149  
Surf Loc: 660' FSL 1060' FEL Sec 5 T22S R27E

Eddy Co., New Mexico  
Elev: GL 3118', KB 3138' (RKB 20')  
Spud: 2/2/04 RR 3/13/04  
First Sales:



13-3/8" 48# H-40 STC @ 425'  
Cmtd to surf w/ 365 sx.

TOC 1742' TS

9-5/8" 36# J-55 STC @ 3038'  
Cmtd to surf w/ 1100 sx.

DV tool @ 8784'

Dual packer @ 9550±'

Wolfcamp perms 9654-9684

On/off tool w/ 2.31" F nipple @ 11,058'±  
Model WL 10k retrv. pkr @ 11060±'

Morrow A Perfs 11164-80 (2 spi - 28 holes)  
Frac w/ 50000 gal. 65Q foam and 40000 # 20/40 interprop  
Morrow B Perfs 11246 - 11414 (2 spi, 34 holes)  
Frac w/ 60000 gal 65Q foam and 50000 # 20/40 interprop  
Morrow C Perfs 11498 - 11641 (2 spi - 28 holes )  
Frac w/ 60000 gal 65Q foam and 50000# 20/40 interprop

TD 11,765'

7" 26# P-110 LTC set @ 11,765'  
Cmtd in 2 stages w/ DV tool @ 8xx3'  
Stage 1: 570 sx. Circ cmt to DV tool.  
Stage 2: 1115 sx. TOC 1742 TS.

## Mead #5 Completion Procedure



1. Clean location, set anchors. MIRU PU and reverse unit. NU BOP. Test BOP to 5000.
2. GIH w/ 6-1/8" bit, DC's on 2 7/8" 6.5# L-80 EUE 8rd production tubing.
3. Drill out DV tool @ 8784'. Test casing to 2000 psi.
4. TIH, tag TD. Circ hole clean w/ 7% KCl water. Spot 200 gal. 10% acetic acid across zone 1 f/ 11641.
5. POH w/ bit. ND BOP. NU dual 7 1/16" frac valves.
6. RU well testers with line to pit, flare and test tank.
6. RU WL and lubricator. Run GR CCL f/ PBD to 9000'. Correlate to Schul TD LDT CNL/HNGS dated 3/8/04.  
Perf Morrow C (zone 1) w/ 2 spf @ 11498, 554, 62, 78, 80, 82, 84, 86, 91, 602, 04, 06, 08 (26 holes).
7. RU frac equip.
8. Break down zone 1 11498- 11608. Spear-head 1500 gal 7 1/2% foamed NEFE and frac w/ 60,000 gal.  
65 Q foam and 50000# 20/40 interprop at 30 bpm and 5000 psi.
9. Flow back at 20 bph for 2 hrs then 60 bph until next day.
10. RU WL and lubricator. Set composite BP @ 11470±.
11. Perf Morrow B (zone #2) w/ 2 spf @  
11246, 50, 62, 67, 304, 06, 08, 17, 20, 22, 24, 42, 79, 408, 10, 12, 14 (34 holes)
12. Frac zone 2 11246-414 w/ 1500 gal 7 1/2% foamed NEFE, 60000 gal 70 quality foam and 50,000#  
20/40 interprop at 30 bpm and 5000 psi.
13. Flowback overnight at 20 bph for 2 hrs the 60 bph until next day.
14. RU WL and lubricator. Set composite BP @ 11220±.
15. Perf Morrow A (zone 3) w/ 4 spf @ 11164-80. (56 holes)
16. Frac zone 3 11164-80 w/ 1500 gal 7 1/2% foamed NEFE, 48000 gal 70 quality foam and 40000 #  
20/40 interprop @ 30 bpm and 5000 psi.
17. Flow back at 20 bph for 2 hrs then 60 bph until next working day.
18. RU coiled tubing. RIH w/ mill, motor on coiled tubing.
19. Drill out composite bridge plugs and push to bottom. Circ w/ N2 / foam.
20. RU wireline and lubricator.
21. RIH w/ tailpipe w/ pump out plug, pkr and o/o tool on wireline. Set pkr @ 11080±. ND frac valves. NU BOP.
22. GIH w/ 2 - 3/8" 4.7# L-80 EUE 8rd turned down and beveled, on off tool shuck and dual packer spaced to set @ 9550±.
23. Space out w/ minimum compression. Test casing to 2000. Land long string.
24. Run 2 3/8" 4.7# L-80 EUE 8rd turned down and beveled short string and latch assembly. Space out. Circ 7% KCl pkr fluid.
22. Test backside to 2000.
24. ND BOP. NU dual 2 1/16" 5000 psi tree.
25. Pump out plug in long string. Kick Morrow off and flow test to clean up. SI.
26. RU wireline and lubricator on short string. Perf Wolfcamp 9654-84 w/ oriented tubing gun.
27. RU stim equip. Acidize Wolfcamp w/ 10,000 gal 15% NEFE.
28. Kick well off and flow test to clean up.
29. Shut in and allow both zones to stabilize.
30. RIH w/ tandem 5000 psi BHP bombs in long string.
31. Run 4 point.
32. RIH w/ tandem 10000 psi BHP bombs in short string.
33. Run Wolfcamp 4 point test.
34. Run packer leakage test.

Will sell gas to sales while testing if possible per El Paso Field services.

