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

April 6, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505  
ATTN: Mr. David Catanach, Examiner

RECEIVED

APR 07 2004

OIL CONSERVATION  
DIVISION

1112

Re: Administrative Application to  
Surface Commingle Production  
From Carlsbad; Morrow, South (Pro Gas)  
And Undesignated (Wolfcamp) Pools

Dear Mr. Catanach,

Per instructions from Mr. Bryan Arrant, please find attached an original plus 3 copies of a C-103 with attachments of Pure Resources, L. P. captioned application to surface commingle production from our Mead #5 well (API # 30-015-33149). We are also sending two copies of this C-103 with attachments to Mr. Arrant at OCD District Office on this same date.

Tom Brown, Inc. completed drilling this well on March 13, 2004 to a TD of 11,765'. This well is currently permitted for the Carlsbad; Morrow, South (Pro Gas) pool. Pure Resources, L. P. now assumes responsibility as operator for this well and plans to dual complete (through two tubing strings with respective production packers) and produce this well from the Carlsbad; Morrow, South (Pro Gas) and Undesignated (Wolfcamp) Pools. We filed the C-104A, Change of Operator Form with its single well Transfer List with the District OCD Office on March 19, 2004. We have also submitted a C-101 to the District OCD Office, on that same date, to add the Undesignated (Wolfcamp) zone. In addition, we have submitted and received preliminary approval for an NSL location for the Wolfcamp zone's anticipated oil production and 40-acre spacing unit.

We are now on this well with a work-over rig and have just finished completing the Morrow zones. We are conducting flow-back, cleanup and testing after fracture treating prior to coming up hole to complete the Wolfcamp zone. We anticipate completing this zone within this next week (please see attached procedure). As a result, we respectfully request expediting, as much as possible, this surface commingle application to facilitate our present rig accessibility, completion work and placement on production thus preventing waste and promoting economic viability of this well.

If you have any questions or require additional information concerning this application, please contact me at (432) 498-8662 or e-mail me at [abohling@pureresources.com](mailto:abohling@pureresources.com). Again, thank you.

Sincerely,  
*Alan W. Bohling*  
Alan W. Bohling  
Regulatory Agent

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-103 Revised June 10, 2003

WELL API NO. 30-015-33149
5. Indicate Type of Lease STATE [ ] FEE [X]
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well [ ] Gas Well [ ] Other Dual Complete & Produce Morrow & Wolfcamp

7. Lease Name or Unit Agreement Name Mead

8. Well Number 5

2. Name of Operator Pure Resources, L. P.

9. OGRID Number 150628

3. Address of Operator 500 W. Illinois Midland, Texas 79705

10. Pool name or Wildcat Carlsbad; Morrow, South/Undes. (Wolfcamp)

4. Well Location Unit Letter P : 660 feet from the South line and 1060 feet from the East line Section 5 Township 22-S Range 27-E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3118' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK [ ] PLUG AND ABANDON [ ] TEMPORARILY ABANDON [ ] CHANGE PLANS [ ] PULL OR ALTER CASING [ ] MULTIPLE COMPLETION [ ] OTHER: Surface Commingle [X] SUBSEQUENT REPORT OF: REMEDIAL WORK [ ] ALTERING CASING [ ] COMMENCE DRILLING OPNS. [ ] PLUG AND ABANDONMENT [ ] CASING TEST AND CEMENT JOB [ ] OTHER: [ ]

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Pure Resources, L. P. respectively requests administrative approval to surface commingle production from the Carlsbad; Morrow, South (Pro Gas) (73960) and the Undesignated (Wolfcamp) Pool [or Eddy Undesignated (Wolfcamp) Pool (91162) as it is the closest known Wolfcamp production], from the Mead # 5 wellbore.

We plan to dual complete 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 their own respective separators. The separated water from each source will be metered prior to commingling within a 500 Bbl water tank. In addition, the separated oil produced from each source will be metered prior to commingling within 400-Bbl stock tanks. Each separated gas stream line will go through its own meter prior to being combined to go through an El Paso meter (See attached facility schematic). There is common ownership of all production from the surface to the base of the Morrow formation underlying the Mead Lease (Please see attached common ownership statement by our Landman). 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 final approval is contingent upon a successful packer leakage test performed within 20 days of completion. As we are currently on this well and plan to finish completing all mentioned zones within this next week, we respectfully request expediting this administrative surface commingle application.

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

SIGNATURE Alan W. Bohling TITLE Regulatory Agent DATE 04/05/2004 abohling@pureresources.com

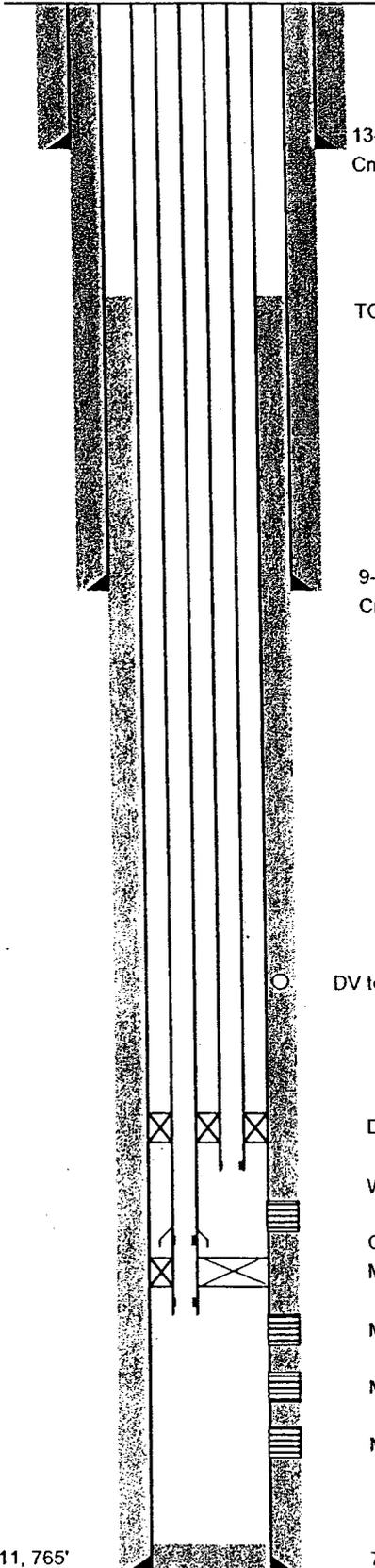
Type or print name Alan W. Bohling E-mail address: Telephone No. (432)498-8662 (This space for State use)

APPROVED BY TITLE DATE Conditions of approval, if any:

WELL: MEAD #5  
FIELD: Carlsbad South



A Unocal Company



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 @ 8x3'  
Stage 1: 570 sx. Circ cmt to DV tool.  
Stage 2: 1115 sx. TOC 1742 TS.

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:

## Mead #5 Completion Procedure



A Unocal Company

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.





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

April 1, 2004

To whom it may concern:

As a Landman employed by Pure Resources, L. P. and whose area of responsibility is inclusive of properties owned and operated by Pure Resources, L. P. in Eddy County, New Mexico, I have examined and am familiar with the Mineral Interest and Title Agreements specific to the Mead Lease. This Mead Lease encompasses the East Half or 320.39 acres of Section 5, T-22-S, R-27-E, Eddy County, New Mexico.

From my review, the Mead Lease, as described above, is designated as a unit for production and all oil, gas, casinghead gas and other gaseous hydrocarbons produced from the surface to the base of the Morrow formation, underlying the Mead Lease, have common ownership.

  
\_\_\_\_\_  
Robert Ready, Landman  
  
4/1/04  
\_\_\_\_\_  
Date Signed

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Elv Brazos Rd., Artesia, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

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

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-015-33149	Pool Code 73960	Pool Name Carlsbad; Morrow, South (Pro Gas)
Property Code 32891	Property Name MEAD	Well Number 5
OGRID No. 023230	Operator Name PURE RESOURCES, L.P.	Elevation 3118'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	5	22-S	27-E		660	SOUTH	1060'	EAST	EDDY

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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

LOT 4 40.23 AC	LOT 3 40.22 AC	LOT 2 40.21 AC	LOT 1 40.20 AC
GEODETIC COORDINATE NAD 27 NME Y = 515232.5 N X = 539272.7 E LAT. = 32°24'59.13"N LONG. = 104°12'21.84"W			
RECEIVED JAN 8 7 2004 OCD-ARTESIA			
1060' 660'			

**OPERATOR CERTIFICATION**

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

*Brian Franks*

Signature  
**BRIAN FRANKS**  
Printed Name  
**DRILLING ENGINEER**  
Title  
**1-10-04**  
Date

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**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.

JANUARY 8, 2004

Date Surveyed  
Signature & Seal of Professional Surveyor  
*Gary Ebbson*  
Certificate No. **GARY EBBSON** 12641