

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

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

1. Operator Name and Address LEGACY RESERVES OPERATING, LP P. O. BOX 10848 MIDLAND, TX 79702		2. OGRID Number 240974
		3. API Number 30-025-38321
4. Property Code 302908	5. Property Name LANGLIE MATTIX PENROSE SAND UNIT	6. Well No. 049

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	22	22S	37E	E	2350	N	350	W	LEA

8. Pool Information

LANGLIE MATTIX;7 RVRS-Q-GRAYBURG	37240
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3361
14. Multiple N	15. Proposed Depth 3850	16. Formation Penrose	17. Contractor	18. Spud Date 3/15/2007
Depth to Ground water 75		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic ☒ 20 _____ miles thick Clay ☐ Pit Volume: 3500 _____ bbls Drilling Method: Closed Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	11	8.625	24	1200	525	0
Prod	7.875	5.5	15.5	3850	975	0

Casing/Cement Program: Additional Comments

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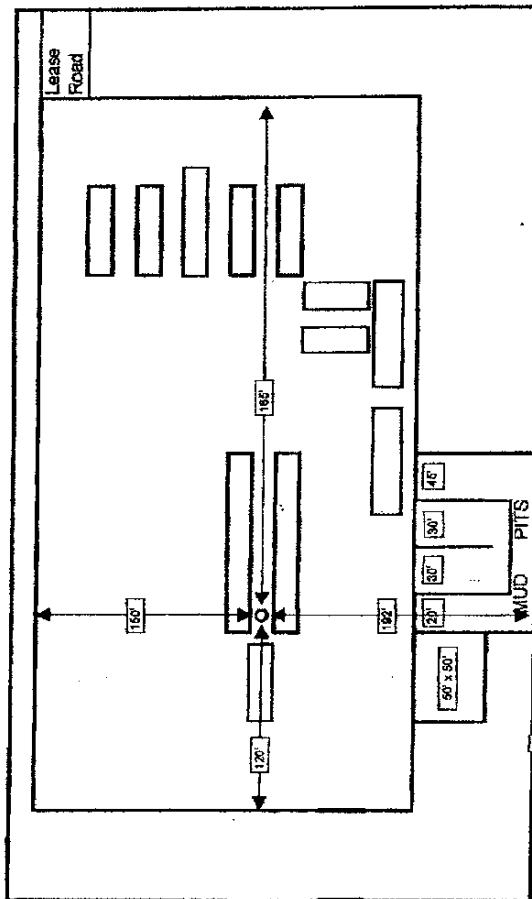
Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	2000	Weatherford

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐ . Printed Name: Electronically filed by Travis McGraw Title: Email Address: tmgraw@legacylp.com Date: 2/14/2007 Phone: 432-682-2516	OIL CONSERVATION DIVISION	
	Approved By: Chris Williams	
	Title: District Supervisor	
	Approved Date: 3/23/2007	Expiration Date: 3/23/2008
	Conditions of Approval Attached	

Drilling Rig Pad Schematic
United Drilling - Standard
 Lea County, New Mexico

Wellbore is 40' North of the pit



District I
1625 N. French Dr., Hobbs NM 58240
District II
1301 W. Grand Avenue, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-		² Pool Code 37240		³ Pool Name Langley Mattix Seven Rivers Queen Grayburg Sand	
⁴ Property Code 33149		⁵ Property Name Langley Mattix Penrose Sand Unit			⁶ Well Number 49
⁷ OGRID No. 240974		⁸ Operator Name Legacy Reserves operating, L.P.			⁹ Elevation 3361'

¹⁰Surface Location

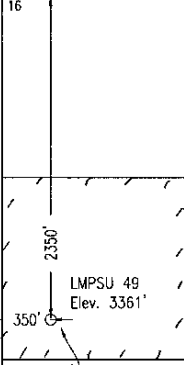
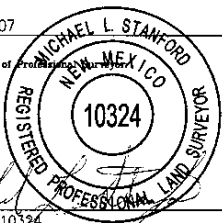
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	22	22 S	37 E		2350	North	350	West	Lea

¹¹Bottom 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 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. Waterflood Unit R3247
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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. Signature: <i>Kent Williams</i> Kent Williams Printed Name Petroleum Engineer Title and E-mail Address 2/8/07 Date
					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. January 25, 2007 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number 10324

Permit Comments

Operator: LEGACY RESERVES OPERATING, LP , 240974
Well: LANGLEIE MATTIX PENROSE SAND UNIT #049
API: 30-025-38321

Created By	Comment	Comment Date
TMCGRAWLEGACY	Will submit drilling prognosis, BOP, H2S & topo.	2/14/2007

Permit Conditions of Approval

Operator: LEGACY RESERVES OPERATING, LP , 240974
Well: LANGLEIE MATTIX PENROSE SAND UNIT #049
API: 30-025-38321

OCD Reviewer	Condition
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines