

RELIEVE

Submit To Appropriate District Office Two Copies District I 1625 N French Dr, Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd, Aztec, NM 87404 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-105 July 17, 2008													
<div style="position: absolute; top: 50px; left: 100px; font-size: 24px; opacity: 0.5;"> OCT 29 2008 HOBBS NM </div>		1. WELL API NO. 30-025-06826																
		2. Type of Lease <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN																
		3. State Oil & Gas Lease No																
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																		
4. Reason for filing <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19.15 17 13 K NMAC)				5. Lease Name or Unit Agreement Name W.S. Marshall B														
				6. Well Number: 9														
7. Type of Completion: <input type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input checked="" type="checkbox"/> OTHER Grayburg-Recompletion																		
8. Name of Operator Marathon Oil Company				9. OGRID 14021														
10. Address of Operator P.O. Box 3487 Houston, TX 77253-3487 Mail Stop #3308				11. Pool name or Wildcat Penrose-Skelly-Grayburg														
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	K	27	21S	37E		2310'	South	1650	West	Lea								
BH:																		
13. Date Spudded 06/12/1951	14. Date T.D. Reached 07/22/1951	15. Date Rig Released 07/26/2008		16. Date Completed (Ready to Produce) 07/26/2008		17. Elevations (DF and RKB, RT, GR, etc) KB 3425' , GR 3411'												
18. Total Measured Depth of Well 7588'		19. Plug Back 5040'		20. Was Directional Survey Made? No		21. Type Electric and Other Logs Run												
22. Producing Interval(s), of this completion - Top, Bottom, Name Penrose-Skelly-Grayburg3,680'-3,849'																		
23. CASING RECORD (Report all strings set in well)																		
CASING SIZE		WEIGHT LB /FT		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED								
13 3/8"		48#		308		17"		300 sacks										
8 5/8"		23#		2800		11"		1200 sacks										
5 1/2"		17#		7500		8"		1100 sacks										
24. LINER RECORD																		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN														
				2 7/8"														
				3849'														
				TAC 3563'														
25. TUBING RECORD																		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN														
				2 7/8"														
				3849'														
				TAC 3563'														
26. Perforation record (interval, size, and number) 3680'-90', 3700'-10', 3737'-42', 3765'-42', 3765'-70', 3810'-20', 3825'-30', 3844'-49' 50 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>3680'-3849'</td> <td>83 bls 7 1/2% NEFE HCL Acid</td> </tr> <tr> <td>3680'-3849'</td> <td>1921 bls cross linked Gel Pad</td> </tr> <tr> <td>3680'-3849'</td> <td>137, 663 lbs 20/40 Premium Brown Sand</td> </tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	3680'-3849'	83 bls 7 1/2% NEFE HCL Acid	3680'-3849'	1921 bls cross linked Gel Pad	3680'-3849'	137, 663 lbs 20/40 Premium Brown Sand
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3680'-3849'	137, 663 lbs 20/40 Premium Brown Sand																	
28. PRODUCTION																		
Date First Production 07/26/2008		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Pumping				Well Status (<i>Prod or Shut-in</i>) Producing												
Date of Test 10/01/2008	Hours Tested 24	Choke Size 40/64	Prod'n For Test Period	Oil - Bbl 43	Gas - MCF 282	Water - Bbl 174	Gas - Oil Ratio 6558.140											
Flow Tubing Press 180	Casing Pressure 60	Calculated 24-Hour Rate	Oil - Bbl 43	Gas - MCF 282	Water - Bbl 174	Oil Gravity-API - (<i>Corr</i>) 36.3												
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold						30. Test Witnessed By Jeremy Porras												
31. List Attachments: Wellbore Diagram																		
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit N/A																		
33. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude NAD 1927 1983 Longitude N/A																		
<i>I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief</i> Signature <u>Rick R. Schell</u> Printed Name Rick R. Schell Title Regulatory Compliance Rep. Date 10/08/2008 E-mail Address rrschell@MarathonOil.com																		

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T.Queen 3472	T. Silurian	T. Menefee	T. Madison
T. Grayburg 3660	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson 7390	T. Mancos	T. McCracken
T. Glorieta 5045	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 5101	T. Ellenburger 7430	Base Greenhorn	T.Granite
T. Blinbry	T. Gr. Wash	T. Dakota	
T.Tubb 6065	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T.Todilto	
T. Abo 6604	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....No. 3, from.....to.....

No. 2, from.....to.....No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

Recompletion Procedure

W.S. Marshall Well No. 9

2310' FSL, 1650' FWL

Section 27, 21S-37E

Lea County, New Mexico

WBS NO: RW.08.17691.CAP.CMP

Date: June 3, 2008

Purpose: Recomplete to Grayburg

Elevation: KB: 3425' PBTB: 7320'
GL: 3412' TD: 7588'

Estimated Cost: \$355,000

WI: 100% NRI: 87.5%

Surface Casing: 13-3/8", 48#, H-40 set at 308'. Cemented w/ 300 sx. TOC @ ?

Intermediate Casing: 8-5/8", 32#, J-55 set at 2800'. Cemented w/1200 sx. TOC @ ?

Production Casing: 5-1/2", 17#, J-55 set at 7500'. Cemented with 1100 sx. Top of good cmt @ 3200' (CBL).

Production Tubing: 2-3/8", 4.7#, J-55, EUE. EOT @ 7130'.

Reservoir Pressure: Expected Pressure ~ <1630 psi

Open Perforations: 5484'- 5917'; 6765'-7086'

SQZ Perforations: 5125-65', 7143-7205', 7245-70'

Safety Issues: H2S gas likely to be present

Tubular Performance/Capacities:

	ID (in.)	Drift (in.)	Burst* (psi)	Collapse (psi)	Capacity (bbl/ft)
2-3/8" 4.7 # J-55	1.995	1.901	6160	8100	.00387
5-1/2" 17# J-55	4.892	4.767	4256	4910	.0232
Tbg/Csg Annulus	-----	-----	-----	-----	.0178

*80%

Procedure:

1. Use fresh water as workover fluid.
2. RU WSU. Kill well with fresh water. Unseat pump POOH w/ Rods and pump. Unflange well head, release TAC. Install and test BOPE. POOH Stand Back 2-3/8" Tbg.
3. RIH with cast iron bridge plug (CIBP). Set CIBP at +/-5100'. Circulate wellbore full w/freshwater and test to 2000 psi. PU end of tubing to 3850' and circulate a balance 4.3 - bbl slug of acid from 3850' to 3665' using 7-1/2" NEFEHCL inhibited for 48-hours at 125 deg F. POOH with tubing and tools.
4. **Perforate:**
RU Baker-Atlas electric line with pack-off.. For depth control, use McCullough GRL dated 1-12-1960. RU and test pack-off to 1000 psi. RIH with 3-1/8" slick guns loaded with 311T charges at 1 SPF and perforate 50 feet with 50 holes as follows. (*It is desired to perforate from top down to maximize acid in wellbore*):

RECOMPLETION PROCEDURE

W.S. Marshall Well No. 9

Lea County, New Mexico

3680-90 (10', 10 holes)
3700-10 (10', 10 holes)
3737-42 (5', 5 holes)
3765-70 (5', 5 holes)
3810-20 (10', 10 holes)
3825-30 (5', 5 holes)
3844-49 (5', 5 holes)

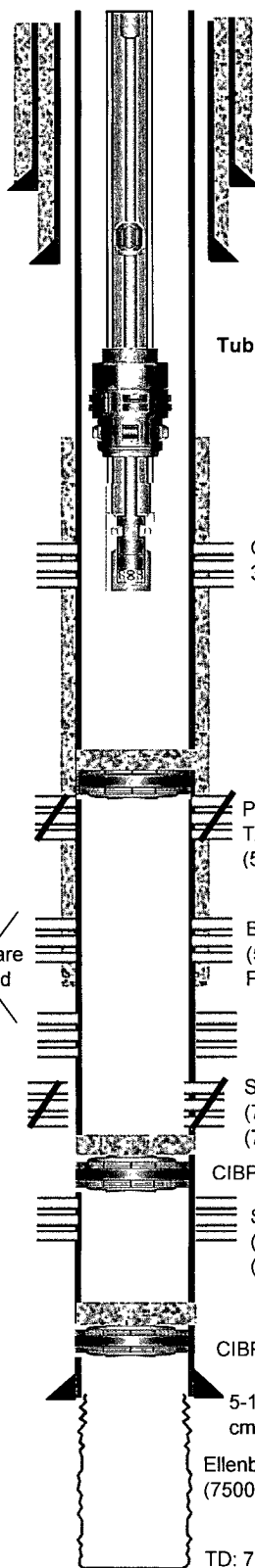
50 Net Feet – 50 Holes

After last gun has been shot, tag CIBP at 5100' and verify setting depth of CIBP. Dump 1 bailer of cement on CIBP. Pump 5 bbls of fresh water down casing to flush excess acid.

RD Baker-Atlas.

Casing collars at: 3629', 3673', 3712', 3755', 3796', 3837', 3879'. With short joints @ 3505'-3464-3424'.

5. Frac per Halliburton design.
 - 156,182 # 20/40 brown sand
 - Five (5) – 500-bbl frac tanks w/ freshwater
 - Pump down casing at 55 BPM w/ treesaver
 - Use expedite on all sand
 - Displace with 95% of casing capacity to top perf (80 bbls)
 - Start flush when 2 ppg below max concentration
6. RD Halliburton equipment and tree saver.
7. RIH with 2-3/8" tubing and 4-3/4" bit and clean-out sand to 5100'. Reverse circulate well until clean returns. POOH laying down 2-3/8" TBG. Obtain 4000' of 2 7/8" 6.5# J-55 EUE TBG.
8. RIH with 4000' of 2-7/8" production equipment to produce Grayburg only. Remove BOP. Install wellhead. Set pump intake below lower perms. Set TAC above top perforation. Install rods and pump. PWOP. Design pump to move upwards of 300 BWPD.



GL Elev: 3411'
KB: 3425'
PBSD: 7320'
TD: 7588'

13-3/8" casing @ 308' ; 48#/ft, H40
cmt w/ 300 sks

8-5/8" casing @ 2800' , 32 #/ft, J55
cmt w/ 1200 sks

Tubing String: 2-7/8" 6.5# J-55 EUE TAC@ 3563', SN @ 3849',

Top of Good Cement @ 3200

Grayburg Perfs: 3680-90, 3700-10, 3737-42, 3765-70, 3810-20,
3825-30, 3844-49 @ 1 SPF (50 holes)

CIBP @ 5040' w/ 20' cement

Paddock Perfs Acidized 3000 gals of acid, in 1960.
TA from 1960 to 1969, during 1969 perfs.sqzd
(5125'-5165')

Blaine & /
Abo perfs are
commingled

Blaine Perfs. Acidized 3000 gals 15%NE, in 1985 and 1997
(5484'-5917').
Frac 217,000# of sand.

Abo Perfs: Acidized 5000 gals of 15% LSTNE (BS) , in 1969.
(6765'-7086')

Simpson Perfs.
(7143' - 7205') Acidized w/ 2500 gals of LST (in 1959, sqzd in 1969)
(7245' - 7270') Acidized w/2000 gals of LST (in 1959, sqzd in 1969)

CIBP @ 7320' (in 1959)

Simpson Perfs.
(7330'-7400')
(7143' - 7205') Acidized w/ 2500 gals of LST (in 1959, sqzd in 1969)

CIBP @ 7450' (in 1959)

5-1/2" casing @ 7500' , 17#/ft, J55
cmt w/ 1100 sks

Ellenberger OH:
(7500'-7588') in 1951, Acid job.

TD: 7588'

W.S. Marshall #9

County: Lea

State: New Mexico

Location: 2310' FSL & 1650' FWL

Section 27, T-21-S, R-37-E

API #: 30-025-06826

Spud Date: 6/12/51

TD: 7/22/51

Diagram Date: 9/24/2008

Please see completion details in the next page.

Well history

Year	Formation	Perforations			Perf.	Stimulation
1951	Ellenberge	OH			Density	
1959	Simpson	7330	to	7400	2 spf	1-) Acid
		7143	to	7205		2-) Acid
		7245	to	7270		3-) Acid.
1960	Upper Paddock	5125	to	5165	160 holes 4SPF	Acid
1969	Abo	6765				4-) Acid
		6780				
		6786				
		6805				
		6812				
		6844				
		6855				
		6863				
		6884				
		6908				
		6914				
		6925				
		6958				
		6978				
		6994				
		7012				
		7054				
		7072				
		7086				
1985	Blinebry	5652				5-) Acid
		5655				
		5679				
		5692				
		5699				
		5717				
		5721				
		5744				
		5757				
		5782				
		5790				
		5810				
		5831				
		5843				
		5873				
		5881				
		5892				
		5899				
		5917				
1997	Blinebry	5484	to	5512	2 spf	6-) Acid and frac.
		5418	to	5438		
		5444	to	5450		
		5458	to	5468		
		5476	to	5486		
		5492	to	5498		
		5604	to	5614		
		5643	to	5656		
		5664	to	5680		
		5690	to	5702		
		5610	to	5720		
		5680	to	5790		
		5802	to	5811		
		5822	to	5832		