

**HOBBS OCD**

**JUL 03 2013**

**WELL COMPLETED  
RECEIVED**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0137  
Expires: October 31, 2014

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NM027507 (SL) NMNM107393 (BHL)

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
Red Hills West 21 DM Fed Com #1H

9. API Well No.  
30-025-40897

10. Field and Pool or Exploratory  
Jennings Upper Bone Spring Shale 97838

11. Sec., T., R., M., on Block and  
Survey or Area  
Sec 21, T26S, R32E

12. County or Parish  
Lea

13. State  
NM

14. Date Spudded  
01/25/13

15. Date T.D. Reached  
02/23/13

16. Date Completed  
04/02/13  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
3151' GL

18. Total Depth: MD 13730'  
TVD 9273'

19. Plug Back T.D.: MD 13680'  
TVD 9271'

20. Depth Bridge Plug Set: MD NA  
TVD NA

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
GR / CCL / CNL

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" J55	48#	0	845'		750	220	Surface	NA
12 1/4"	9 5/8" J&N	36 & 40#	0	4300'		1300	458	Surface	NA
8 3/4"	7" P110	26#	0	9608'		1000	315	900'	NA
6 1/8"	4 1/2" P110	13.5#	9372'	13693'	Liner	NA	NA	NA	NA

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"	8901'	8795'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Bone Springs	8407'	13730' MD	9692' - 13680' MD	Ports	30	Open
B)			9255' - 9271' TVD			
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
9692' - 13680' MD	Frac w/1,371,478 gals 20# Linear Gel carrying 516,164# 100 Mesh Sand & 1,863,598 gal 20# XL carrying 2,602,611# 20/40 sand.

**RECLAMATION  
DUE 10-2-13**

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/02/13	04/19/13	24	→	433	900	1993	47.9	0.791	Gas Lift
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
NA	SI 450	1100	→	433	900	1993	2079	Open	

**ACCEPTED FOR RECORD**

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

**JUN 29 2013**  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

\*(See instructions and spaces for additional data on page 2)

**ELG 8-21-2013**

**AUG 21 2013**

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Rustler	740
				Top of Salt	1114
				Base of Salt	4145
				Delaware	4360
				Brushy Canyon	7006
				Bone Spring	8407
				TD (MD)	13730

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
  Other: Comp sundry, Dev Rpt, C104, Gyro, Final C102, C144 CLEZ, pkr port

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Jackie Lathan Title Regulatory  
 Signature Jackie Lathan Date 05/01/13

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Operating Company Mewbourne  
 Well Name & Number Hills West 21 DM Fed Com #  
 Sales Ticket Number 4707060  
 Date 2/23/2013

Company Rep Bill P.  
 Field Santo Nino  
 BOT Service Rep Obed Jimenez  
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	9,608.00	9,960	6,230	
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,321.07	12,410	10,680	
Bott Liner											
TVD		9,148.00		KOP		8,602.00		Open Hole	6.125	Casing Vol. (bbl)	358.6
Carry Fluid Weight (ppg)		8.4		Propan Content (ppa)				Max Drill Out Size		0	

Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ (BBL)
Liner Top 1	10292414	JR Setting Sleeve_RH Profile	9371.93	4.00	5.188	5.250			

Zone Length	ID	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press.	Max Rate (BPM)	Displ (BBL)
30	H4090400008	JR Sleeve_S3 Hyd Set Packer	9375.93	4.64	5.813	3.875				
	10825400	4-1/2-13.5 LTC Nipple	9380.57	8.39	5.000	3.920				
		8 Joints of 4-1/2-13.5 LTC Casing	9388.96	302.72	5.000	3.920				
29	H809870074	3.625 EX-Frac Sleeve	9691.68	3.90	5.750		3.525	2286	310	503
		1 Joint of 4-1/2-13.5 LTC Casing	9695.58	36.69	5.000	3.920				
	H409360008	Baker Open Hole Packer	9732.27	3.89	5.820	3.875		2154		
28		2 Joints of 4-1/2-13.5 LTC Casing	9736.16	74.81	5.000	3.920				
	H809490001	3.500 EX-Frac Sleeve	9810.97	3.53	5.750		3.448	2375	302	505
		2 Joint of 4-1/2-13.5 LTC Casing	9814.50	75.43	5.000	3.920				
27	H409360008	Baker Open Hole Packer	9889.93	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	9893.82	75.24	5.000	3.920				
	H809490002	3.495 EX-Frac Sleeve	9989.06	3.53	5.750		3.385	2375	291	507
26		1 Joint of 4-1/2-13.5 LTC Casing	9972.59	38.00	5.000	3.920				
	H409360008	Baker Open Hole Packer	10010.59	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	10014.48	76.19	5.000	3.920				
	H809490003	3.375 EX-Frac Sleeve	10090.67	3.53	5.750		3.325	2375	281	509
		1 Joint of 4-1/2-13.5 LTC Casing	10094.20	38.00	5.000	3.920				
	H409360008	Baker Open Hole Packer	10132.20	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	10136.09	74.56	5.000	3.920				
	H809490004	3.313 EX-Frac Sleeve	10210.65	3.53	5.750		3.260	2375	270	511
		1 Joints of 4-1/2-13.5 LTC Casing	10214.18	38.54	5.000	3.920				
	H409360008	Baker Open Hole Packer	10252.72	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	10256.61	76.88	5.000	3.920				

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 Field Santo Nino  
 BOT Service Rep Obed Jimenez  
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	9,608.00	9,960	6,230	
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,321.07	12,410	10,680	
Bott Liner											
TVD	9,148.00		KOP		8,602.00		Open Hole		6.125	Casing Vol. (bbl)	358.6
Carry Fluid Weight (ppg)	8.4		Propant Content (ppa)						Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ (BBL)
25	H809490005	3.250 EX-C Frac Sleeve	10333.49	3.53	5.750		3.198	2375	260	513
		1 Joint of 4-1/2-13.5 LTC Casing	10337.02	37.39	5.000	3.920				
24	H409360008	Baker Open Hole Packer	10374.41	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	10378.30	76.95	5.000	3.920				
24	H809490006	3.188 EX-C Frac Sleeve	10455.25	3.53	5.750		3.135	2375	250	515
		1 Joints of 4-1/2-13.5 LTC Casing	10458.78	38.02	5.000	3.920				
23	H409360008	Baker Open Hole Packer	10496.80	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	10500.69	76.73	5.000	3.920				
23	H809490007	3.125 EX-C Frac Sleeve	10577.42	3.53	5.750		3.073	2375	240	516
		2 Joints of 4-1/2-13.5 LTC Casing	10580.95	75.69	5.000	3.920				
22	H409360008	Baker Open Hole Packer	10656.64	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	10660.53	77.05	5.000	3.920				
22	H809490008	3.063 EX-C Frac Sleeve	10737.58	3.53	5.750		3.010	2375	230	519
		1 Joints of 4-1/2-13.5 LTC Casing	10741.11	37.89	5.000	3.920				
21	H409360008	Baker Open Hole Packer	10779.00	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	10782.89	76.30	5.000	3.920				
21	H809490009	3.000 EX-C Frac Sleeve	10859.19	3.53	5.750		2.948	2375	224	521
		1 Joint of 4-1/2-13.5 LTC Casing	10862.72	38.39	5.000	3.920				
20	H409360008	Baker Open Hole Packer	10901.11	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	10905.00	77.08	5.000	3.920				
20	H809490010	2.938 EX-C Frac Sleeve	10982.08	3.53	5.750		2.885	2375	212	522
		3 Joints of 4-1/2-13.5 LTC Casing	10985.61	115.90	5.000	3.920				
19	H409360008	Baker Open Hole Packer	11104.51	3.89	5.820	3.875		2154		
		2 Joint of 4-1/2-13.5 LTC Casing	11105.40	76.72	5.000	3.920				
19	H809490011	2.875 EX-C Frac Sleeve	11182.12	3.53	5.750		2.823	2375	203	525
		1 Joints of 4-1/2-13.5 LTC Casing	11185.65	38.40	5.000	3.920				
	H409360008	Baker Open Hole Packer	11224.05	3.89	5.820	3.875		2154		

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 District Location Odessa, Texas, USA



Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	9,608.00	9,960	6,230
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,321.07	12,410	10,680
Bott Liner										
TVD	9,148.00		KOP	8,602.00		Open Hole	6.125	Casing Vol. (bbl)	358.6	
Carry Fluid Weight (ppg)	8.4		Propant Content (ppa)				Max Drill Out Size	0		

Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Disp (BBL)
	2 Joint of 4-1/2-13.5 LTC Casing	11227.94	77.47	5.000	3.920				
H809490012	2.813 EX C Frac Sleeve	11305.41	3.53	5.750		2.760	2375	194	527
	3 Joints of 4-1/2-13.5 LTC Casing	11308.94	113.36	5.000	3.920				
H409360008	Baker Open Hole Packer	11422.30	3.89	5.820	3.875		2154		
	2 Joint of 4-1/2-13.5 LTC Casing	11426.19	76.82	5.000	3.920				
H809490013	2.750 EX C Frac Sleeve	11503.01	3.53	5.750		2.698	2375	185	530
	1 Joints of 4-1/2-13.5 LTC Casing	11506.54	38.32	5.000	3.920				
H409360008	Baker Open Hole Packer	11544.86	3.89	5.820	3.875		2154		
	2 Joint of 4-1/2-13.5 LTC Casing	11548.75	77.11	5.000	3.920				
H809490014	2.688 EX C Frac Sleeve	11625.86	3.53	5.750		2.635	2375	177	532
	2 Joints of 4-1/2-13.5 LTC Casing	11629.39	38.58	5.000	3.920				
H409360008	Baker Open Hole Packer	11667.97	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	11671.86	76.37	5.000	3.920				
H809490015	2.625 EX C Frac Sleeve	11748.23	3.53	5.750		2.573	2375	168	534
	1 Joint of 4-1/2-13.5 LTC Casing	11751.76	38.38	5.000	3.920				
H409360008	Baker Open Hole Packer	11790.14	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	11794.03	76.24	5.000	3.920				
H809490016	2.563 EX C Frac Sleeve	11870.27	3.53	5.750		2.510	2375	160	536
	2 Joints of 4-1/2-13.5 LTC Casing	11873.80	76.33	5.000	3.920				
H409360008	Baker Open Hole Packer	11950.13	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	11954.02	75.93	5.000	3.920				
H809490017	2.500 EX C Frac Sleeve	12029.95	3.53	5.750		2.448	2375	152	538
	2 Joint of 4-1/2-13.5 LTC Casing	12033.48	77.34	5.000	3.920				
H409360008	Baker Open Hole Packer	12110.82	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	12114.71	76.43	5.000	3.920				
H809490018	2.438 EX C Frac Sleeve	12191.14	3.53	5.750		2.386	2375		
	1 Joints of 4-1/2-13.5 LTC Casing	12194.67	37.98	5.000	3.920				



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	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	9,608.00	9,960	6,230	
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,321.07	12,410	10,680	
Bott Liner											
TVD	9,148.00		KOP		8,602.00		Open Hole		6.125	Casing Vol. (bbl)	358.6
Carry Fluid Weight (ppg)	8.4		Propant Content (ppa)						Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ (BBL)
11	H409360008	Baker Open Hole Packer	12232.65	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	12236.54	75.93	5.000	3.920				
10	H809490019	2-3/8 EX C Frac Sleeve	12312.47	3.53	5.750		2.323	2375	137	359
		1 Joint of 4-1/2-13.5 LTC Casing	12316.00	38.86	5.000	3.920				
9	H409360008	Baker Open Hole Packer	12354.86	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	12358.75	76.13	5.000	3.920				
8	H809490020	2-3/8 EX C Frac Sleeve	12434.88	3.53	5.750		2.261	2375	130	359
		1 Joints of 4-1/2-13.5 LTC Casing	12438.41	37.94	5.000	3.920				
7	H409360008	Baker Open Hole Packer	12476.35	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	12480.24	75.88	5.000	3.920				
6	H809870047	2-250 EX Frac Sleeve	12556.42	3.90	5.750		2.150	2286	115	359
		2 Joint of 4-1/2-13.5 LTC Casing	12560.02	76.99	5.000	3.920				
5	H409360008	Baker Open Hole Packer	12637.01	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	12640.90	76.60	5.000	3.920				
4	H809870042	2-125 EX Frac Sleeve	12717.50	3.90	5.750		2.025	2286	102	359
		1 Joint of 4-1/2-13.5 LTC Casing	12721.40	37.95	5.000	3.920				
3	H409360008	Baker Open Hole Packer	12759.35	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	12763.24	75.92	5.000	3.920				
2	H809870088	2-1000 EX Frac Sleeve	12839.46	3.90	5.750		1.900	2286	90	359
		2 Joints of 4-1/2-13.5 LTC Casing	12843.06	75.66	5.000	3.920				
1	H409360008	Baker Open Hole Packer	12918.72	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	12922.61	76.99	5.000	3.920				
0	H809870087	1-375 EX Frac Sleeve	12999.60	3.90	5.750		1.775	2286	79	359
		1 Joint of 4-1/2-13.5 LTC Casing	13003.50	37.94	5.000	3.920				
-	H409360008	Baker Open Hole Packer	13041.44	3.89	5.820	3.875		2154		
		2 Joints of 4-1/2-13.5 LTC Casing	13045.33	75.92	5.000	3.920				
-	H809870086	1-750 EX Frac Sleeve	13124.25	3.90	5.750		1.650	2286	68	359

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 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
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Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,321.07	12,410	10,680
Bott Liner										
TVD	9,148.00		KOP	8,602.00		Open Hole	6.125	Casing Vol. (bbl)	358.6	
Carry Fluid Weight (ppg)	8.4		Propant Content (ppa)			Max Drill Out Size	0			

Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ (BBL)
	1 Joint of 4-1/2-13.5 LTC Casing	13125.15	37.58	5.000	3.920				
H409360008	Baker Open Hole Packer	13162.73	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	13166.62	75.07	5.000	3.920				
H809870085	625 EX Frac Sleeve	13241.69	3.90	5.750		1.525	2286	58	359
	2 Joints of 4-1/2-13.5 LTC Casing	13245.59	74.93	5.000	3.920				
H409360008	Baker Open Hole Packer	13320.52	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	13324.41	75.19	5.000	3.920				
H809160007	1.500 DBL Ball Frac Sleeve	13399.60	3.90	5.750		1.400	2286	49	359
	1 Joint of 4-1/2-13.5 LTC Casing	13403.50	38.27	5.000	3.920				
H409360008	Baker Open Hole Packer	13441.77	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	13445.66	75.44	5.000	3.920				
H809160006	1.375 DBL Ball Frac Sleeve	13521.10	3.90	5.750		1.275	2286	41	359
	2 Joint of 4-1/2-13.5 LTC Casing	13525.00	76.44	5.000	3.920				
H409360008	Baker Open Hole Packer	13601.44	3.89	5.820	3.875		2154		
	2 Joints of 4-1/2-13.5 LTC Casing	13605.33	74.94	5.000	3.920				
H810060007	1.25 EX Frac Sleeve	13680.27	2.39	5.750			2286		
H299710014	pup joint	13682.66	8.07						
10360821	DOUBLE VALVE FLOAT SHOE	13690.73	2.27						
		13693.00							

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