Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S St. Francis Dr., Santa Fe, NM 87505

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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 August 1, 2011

WELL API NO. 30-025-40396	
5. Indicate Type of Lease STATE ☒ FEE ☐	
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.)	7. Lease Name or Unit Agreement Name: Pryor State
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	8. Well Number 1 H
2. Name of Operator: GMT Exploration Company, LLC	9. OGRID Number: 260511
3. Address of Operator: 1560 Broadway, Suite 2000 Denver, CO 80202	10. Pool name or Wildcat: Ojo Chiso; Bone Spring, South
4. Well Location: Unit Letter M : 330 feet from the South line and 430 feet from the West line; Section 36 Township 22S Range 34E NMPM County Lea	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3380' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☒	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☒	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Surface Casing 13 3/8", 48#, H-40, ST&C 15 joints set at 630' with 4 centralizers Cemented with 400 sks 35/65/poz "C" Lead and 200 sks Class "C" tail. 177 sks circulated to surface

Intermediate Casing: 8 5 8", 36#, J-55, LT&C, at 5225". 2,080 sks of 35/65/poz Class "C" lead and 350 sks "Class "C" Tail Circulate to surface with 281 sks.

Production Casing 5 ½", 17#, HCP-110, LT&C casing, landed at 13,327'. Cemented with 440 sks 50/50/poz Class H Lead & 880 sks Trinity Lite "Short Joint" at 7950', joint length 37 4'.

Perfs were done in 11 stages between the following depths:
Stage 11 8,865' - 9,1780' 12 spf; 36 total holes; Stage 10: 9,280' 9,582' 10 spf; 40 total holes, Stage 9: 9,678' – 9,980' 10 spf; 40 total holes
Stage 8: 10,078' 10,380' 10 spf; 40 total holes; Stage 7: 10,478' 10,782' 10 spf, 40 total holes; Stage 6: 10,880' – 11,182' 10 spf; 40 total holes
Stage 5: 11,288' – 11,590' 10 spf, 40 total holes; Stage 4: 11,680' 11,982' 10 spf; 40 total holes; Stage 3: 12,088' – 12,390' 10 spf; 40 total holes
Stage 2: 12,480' 12,782' 10 spf, 40 total holes; Stage 1. 12,880 13,182' 10 spf; 40 total holes

**** Please See Attachments for More Details**

Spud Date: 03/04/2012 @ 3:30PM

Rig Release Date: 04/09/2012

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

SIGNATURE Ashley E Buckner TITLE Production Technician DATE 08/21/2012

Type or print name Ashley E Buckner E-mail address: abuckner@gmtexploration.com PHONE: 303-586-9280

For State Use Only

APPROVED BY: TITLE Dist MGR DATE 11-1-2012

Conditions of Approval (if any):

NOV 01 2012

Schlumberger

GMT - Pryor State 1H Kick Off Plug 1

Fluid No	**: 2012 HNM12C180001**	Client	**: GMT**	Location / Rig	**: Chaves, Nm**
Date	: Mar-24-2012	Well Name	**. Pryor State 1H**	Field	:

Signatures: T. Germany, LT1

Job Type	**KOP**	Depth	**9500.0 ft**	TVD	**9500.0 ft**
BHST	**152 degF**	BHCT	**137 degF**	BHP	**5704 psi**
Starting Temp.	80 degF	Time to Temp.	00:22 hr:mn	Heating Rate	2.23 degF/min
Starting Pressure	1225 psi	Time to Pressure	00:22 hr:mn	Schedule	( )

Composition

Slurry Density	**17.50 lb/gal**	**Yield**	**0.94 ft3/sk**	**Mix Fluid**	**3.466 gal/sk**
Solid Vol. Fraction	**50.7 %**	Porosity	49.3 %	Slurry type	**Conventional**

Code	Concentration	CEM_FLU_API_THICo	Component	Blend Density	Lot Number
H		**94 lb of BLEND**	Blend	**197.27 lb/ft3**	6605
Fresh water	**3.326 gal/sk**		Base Fluid		Tap
D080	**0.080 gal/sk**		Dispersant		TU1J0233A3
D177	**0.040 gal/sk**		Retarder		2012020AC
D206	**0.020 gal/sk**		Antifoam		S061411

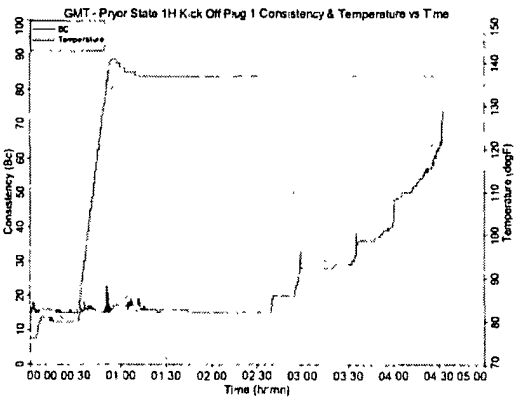
Rheology

Temperature	80 degF			137 degF		
(rpm)	Up (deg)	Down (deg)	Average (deg)	Up (deg)	Down (deg)	Average (deg)
300	**212.0**	**212.0**	**212.0**	**97.0**	**97.0**	**97.0**
200	**118.0**	**151.0**	**134.5**	**67.0**	**70.0**	**68.5**
100	**72.0**	**90.0**	**81.0**	**39.0**	**41.0**	**40.0**
60	**55.0**	**65.0**	**60.0**	**28.0**	**29.0**	**28.5**
30	**40.0**	**48.0**	**44.0**	**19.0**	**20.0**	**19.5**
6	**20.0**	**30.0**	**25.0**	**12.0**	**14.0**	**13.0**
3	**16.0**	**26.0**	**21.0**	**9.0**	**11.0**	**10.0**

10 sec Gel	27 deg - 28.82 lbf/100ft2	13 deg - 13.88 lbf/100ft2
10 min Gel	63 deg - 67.24 lbf/100ft2	20 deg - 21.35 lbf/100ft2
Rheo. computed	Viscosity. 184 729 cP Yield Point: 21.44 lbf/100ft2	Viscosity: 85.954 cP Yield Point: 11.20 lbf/100ft2

Thickening Time

Consistency	Time
Remark : Thickening time do not include batch time	
POD :	**02:08 hr:mn**
30 Bc	**03:02 hr:mn**
50 Bc	**03:35 hr:mn**
70 Bc	**04:02 hr:mn**
Batch Mix Time : 00:30 hr:mn	at 80 degF



Water Analysis

Chloride	Calcium	Magnesium
0 10 lb/bbl	0.00 lb/bbl	0 00 lb/bbl

Comments

UCA Results Pending

Schlumberger

GMT - Pryor State 1H Kick Off Plug 2

Fluid No : 2012 HNM12C180002		Client	: GMT	Location / Rig	: Chaves, Nm
Date	: Mar-22-2012	Well Name	: Pryor State 1H	Field	:

Signatures

C. Henson, LT1

Job Type	KOP	Depth	8900.0 ft	TVD	8900.0 ft
BHST	147 degF	BHCT	133 degF	BHP	5228 psi
Starting Temp.	80 degF	Time to Temp.	00:21 hr:mn	Heating Rate	2.18 degF/min
Starting Pressure	1135 psi	Time to Pressure	00:21 hr:mn	Schedule	( )

Composition

Slurry Density	17.50 lb/gal	Yield	0.94 ft3/sk	Mix Fluid	3.465 gal/sk
Solid Vol. Fraction	50.7 %	Porosity	49.3 %	Slurry type	Conventional

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
H		94 lb of BLEND	Blend	197.27 lb/ft3	6605
Fresh water	3.335 gal/sk		Base Fluid		Tap
D080	0.080 gal/sk		Dispersant		TU1J0233A3
D177	0.030 gal/sk		Retarder		2012020AC
D206	0.020 gal/sk		Antifoam		S061411

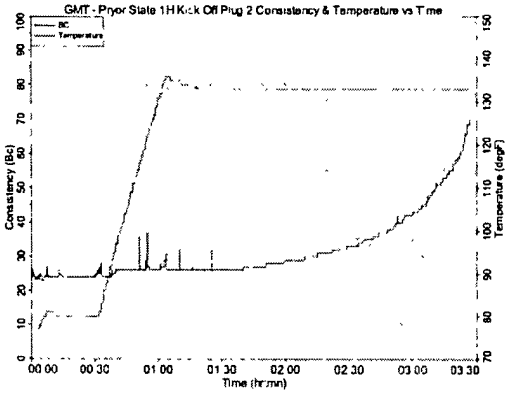
Rheology

Temperature	80 degF			133 degF		
(rpm)	Up (deg)	Down (deg)	Average (deg)	Up (deg)	Down (deg)	Average (deg)
300	212.0	212.0	212.0	98.0	98.0	98.0
200	118.0	151.0	134.5	66.0	70.0	68.0
100	72.0	90.0	81.0	39.0	40.0	39.5
60	55.0	65.0	60.0	28.0	29.0	28.5
30	40.0	48.0	44.0	19.0	20.0	19.5
6	20.0	30.0	25.0	12.0	14.0	13.0
3	16.0	26.0	21.0	9.0	11.0	10.0

10 sec Gel	27 deg - 28.82 lbf/100ft2	14 deg - 14.94 lbf/100ft2
10 min Gel	63 deg - 67 24 lbf/100ft2	21 deg - 22.41 lbf/100ft2
Rheo. computed	Viscosity : 184.729 cP Yield Point : 21.44 lbf/100ft2	Viscosity : 86.614 cP Yield Point : 10.92 lbf/100ft2

Thickening Time

Consistency	Time
Remark : Thickening time do not include batch time	
POD :	01:14 hr:mn
30 Bc	01:39 hr:mn
50 Bc	02:40 hr:mn
70 Bc	02:57 hr:mn
Batch Mix Time : 00:30 hr:mn	at 80 degF



Comments

UCA Results Pending

Schlumberger

GMT - Pryor State 1H Surface Field Blend Lead

Fluid No	**: 2012 12C144001**	Client	**: GMT**	Location / Rig	**: Lea, NM**
Date	: Mar-05-2012	Well Name	**: Pryor State 1H**	Field	:

Signatures
T. Germany
R McCabe

Job Type	**Surface**	Depth	**650.0 ft**	TVD	**650.0 ft**
BHST	**85 degF**	BHCT	**80 degF**	BHP	**460 psi**
Starting Temp.	80 degF	Time to Temp.	00:08 hr:mn	Heating Rate	-0.00 degF/min
Starting Pressure	167 psi	Time to Pressure	00:08 hr:mn	Schedule	9.2-1

Composition

Slurry Density	**12.80 lb/gal**	**Yield**	**2.00 ft3/sk**	**Mix Fluid**	**10.643 gal/sk**
Solid Vol. Fraction	**28.9 %**	Porosity	71.1 %	Slurry type	**Conventional**

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
35:65 Poz/C		**89 lb of BLEND**	Blend	**186.59 lb/ft3**	FBID# 6507
Fresh water	**10.486 gal/sk**		Base Fluid		Tap Water
D044	**5.000 %BWOW**		Salt		NA
D020	**6.000 %BWOB**		Extender		Bulk
D112	**0.300 %BWOB**		Fluid loss		38879
D065	**0.200 %BWOB**		Dispersant		ZJ1817SC22
D042	**5.000 lb/sk**		LCM/extender		Bulk
D046	**0.200 %BWOB**		Antifoam		TU2A0800A)

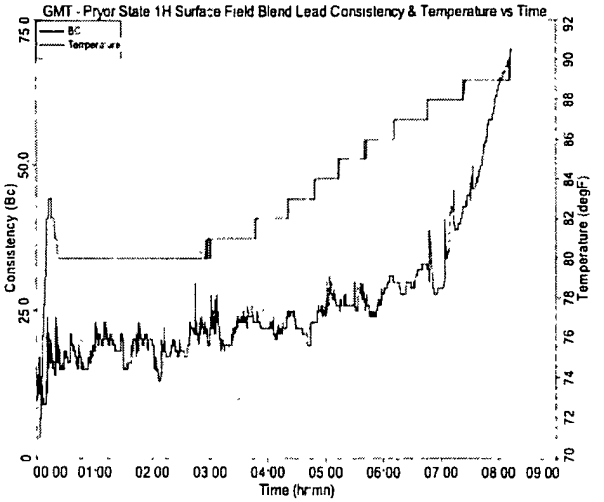
Rheology

Temperature	80 degF		
(rpm)	Up (deg)	Down (deg)	Average (deg)
300	**32.0**	**32.0**	**32.0**
200	**26.0**	**26.0**	**26.0**
100	**22.0**	**20.0**	**21.0**
60	**17.0**	**15.0**	**16.0**
30	**13.0**	**12.0**	**12.5**
6	**10.0**	**9.0**	**9.5**
3	**8.0**	**7.0**	**7.5**

10 sec Gel	9 deg - 9.61 lbf/100ft2
10 min Gel	15 deg - 16.01 lbf/100ft2
Rheo. computed	Viscosity: 21.434 cP Yield Point: 11.72 lbf/100ft2

Thickening Time

Consistency	Time
POD :	**04:44 hr:mn**
30 Bc	**06:04 hr:mn**
50 Bc	**07:34 hr:mn**
70 Bc	**08:14 hr:mn**



Schlumberger

GMT - Pryor State 1H Surface Field Blend Tail

Fluid No : 2012 12C144002	Client	: GMT	Location / Rig	: Lea, NM	Signatures
Date : Mar-05-2012	Well Name	: Pryor State 1H	Field	:	T. Germany
					R. McCabe

Job Type	**Surface**	Depth	**650.0 ft**	TVD	**650.0 ft**
BHST	**85 degF**	BHCT	**80 degF**	BHP	**460 psi**
Starting Temp.	80 degF	Time to Temp.	00:08 hr:mn	Heating Rate	-0.00 degF/min
Starting Pressure	167 psi	Time to Pressure	00.08 hr:mn	Schedule	9.2-1

Composition

Slurry Density	**14.80 lb/gal**	**Yield**	**1.34 ft3/sk**	**Mix Fluid**	**6.366 gal/sk**
Solid Vol. Fraction	**36.4 %**	Porosity	63.6 %	Slurry type	**Conventional**

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
C		**94 lb of BLEND**	Blend	**197.27 lb/ft3**	FBID# 6508
Fresh water	**6.366 gal/sk**		Base Fluid		Tap Water
S001	**1.000 %BWOC**		Accelerator		NA
D046	**0.200 %BWOC**		Antifoam		TU2A0800A0

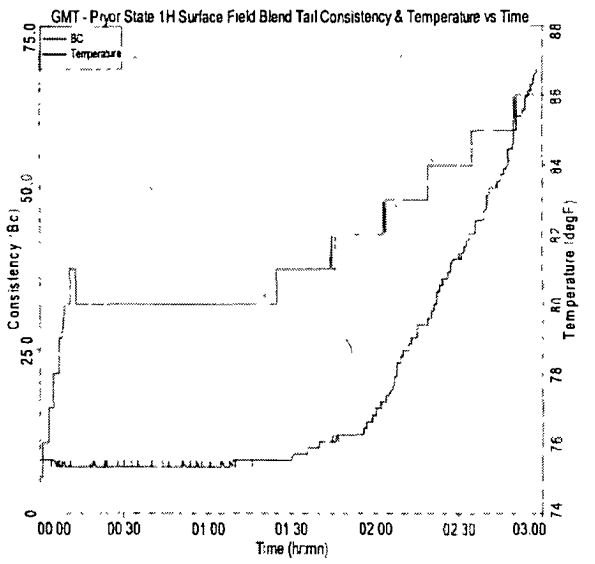
Rheology

Temperature	80 degF		
(rpm)	Up (deg)	Down (deg)	Average (deg)
300	**61.0**	**61.0**	**61.0**
200	**54.0**	**48.0**	**51.0**
100	**46.0**	**36.0**	**41.0**
60	**41.0**	**30.0**	**35.5**
30	**33.0**	**24.0**	**28.5**
6	**10.0**	**15.0**	**12.5**
3	**7.0**	**10.0**	**8.5**

10 sec Gel	9 deg - 9.61 lbf/100ft2
10 min Gel	9 deg - 9.61 lbf/100ft2
Rheo. computed	Viscosity: 33.813 cP Yield Point: 28.09 lbf/100ft2

Thickening Time

Consistency	Time
POD :	**01:29 hr:mn**
30 Bc	**02:19 hr:mn**
50 Bc	**02:41 hr:mn**
70 Bc	**02:58 hr:mn**



Schlumberger

GMT - Pryor State 1H Intermediate Field Blend Lead

Fluid No : 2012 12C158001	Client	: GMT	Location / Rig	: Lea, NM	Signatures
Date : Mar-12-2012	Well Name	: Pryor State 1H	Field	:	C. Sosa

Job Type	**Intermediate**	Depth	**5660.0 ft**	TVD	**5660.0 ft**
BHST	**126 degF**	BHCT	**112 degF**	BHP	**3296 psi**
Starting Temp.	80 degF	Time to Temp.	00:31 hr:mn	Heating Rate	0.85 degF/min
Starting Pressure	433 psi	Time to Pressure	00:31 hr:mn	Schedule	9.5-1

Composition

Slurry Density	**12.80 lb/gal**	**Yield**	**2.00 ft3/sk**	**Mix Fluid**	**10.617 gal/sk**
Solid Vol. Fraction	**29.1 %**	Porosity	70.9 %	Slurry type	**Conventional**

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
35:65 Poz/C		**89 lb of BLEND**	Blend	**186.59 lb/ft3**	FB ID 6049
Fresh water	**10.440 gal/sk**		Base Fluid		
D044	**5.000 %BWOW**		Salt		Bulk
D020	**6.000 %BWOB**		Extender		Bulk
D112	**0.500 %BWOB**		Fluid loss		38879
D042	**5.000 lb/sk**		LCM/extender		Bulk
D013	**0.400 %BWOB**		Retarder		Bulk
D065	**0.200 %BWOB**		Dispersant		ZJ1817SC22
D047	**0.020 gal/sk**		Antifoam		TU1F0306A0

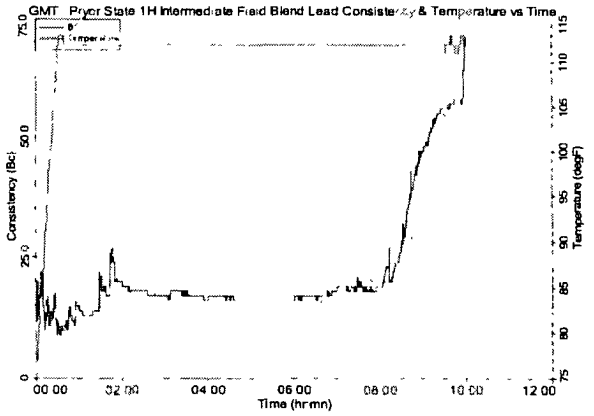
Rheology

Temperature	80 degF			112 degF		
(rpm)	Up (deg)	Down (deg)	Average (deg)	Up (deg)	Down (deg)	Average (deg)
300	**18.0**	**18.0**	**18.0**	**22.0**	**22.0**	**22.0**
200	**14.0**	**13.0**	**13.5**	**18.0**	**20.0**	**19.0**
100	**10.0**	**8.0**	**9.0**	**12.0**	**13.0**	**12.5**
60	**5.0**	**5.0**	**5.0**	**8.0**	**8.0**	**8.0**
30	**4.0**	**3.0**	**3.5**	**5.0**	**5.0**	**5.0**
6	**3.0**	**2.0**	**2.5**	**3.0**	**3.0**	**3.0**
3	**2.0**	**1.0**	**1.5**	**2.0**	**2.0**	**2.0**

10 sec Gel	1 deg - 1.07 lbf/100ft2	2 deg - 2.13 lbf/100ft2
10 min Gel	10 deg - 10.67 lbf/100ft2	4 deg - 4.27 lbf/100ft2
Rheo. computed	Viscosity : 16.363 cP Yield Point : 2.25 lbf/100ft2	Viscosity : 19.818 cP Yield Point : 4.14 lbf/100ft2

Thickening Time

Consistency	Time
POD :	**08:16 hr:mn**
30 Bc	**08:32 hr:mn**
50 Bc	**09:07 hr:mn**
70 Bc	**09:59 hr:mn**



Schlumberger

GMT - Pryor State 1H Intermediate Field Blend Tail

Fluid No : 2012 12C158002	Client	: GMT	Location / Rig	: Lea, NM	Signatures
Date : Mar-11-2012	Well Name	: Pryor State 1H	Field	:	C. Cottingham
					R. McCabe

Job Type	**Intermediate**	Depth	**5660.0 ft**	TVD	**5660.0 ft**
BHST	**126 degF**	BHCT	**112 degF**	BHP	**3296 psi**
Starting Temp	80 degF	Time to Temp.	00:31 hr:mn	Heating Rate	1.01 degF/min
Starting Pressure	433 psi	Time to Pressure	00:31 hr:mn	Schedule	9.5-1

Composition

Slurry Density	**14.80 lb/gal**	**Yield**	**1.33 ft3/sk**	**Mix Fluid**	**6.375 gal/sk**
Solid Vol. Fraction	**36.1 %**	Porosity	63.9 %	Slurry type	**Conventional**

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
C		**94 lb of BLEND**	Blend	**197.27 lb/ft3**	FBID# 6638
Fresh water	**6.355 gal/sk**		Base Fluid		Tap Water
D201	**0.350 %BWOC**		Retarder		011312-01
D046	**0.200 %BWOC**		Antifoam		TU2A0800A0
D177	**0.020 gal/sk**		Retarder		2012020AC

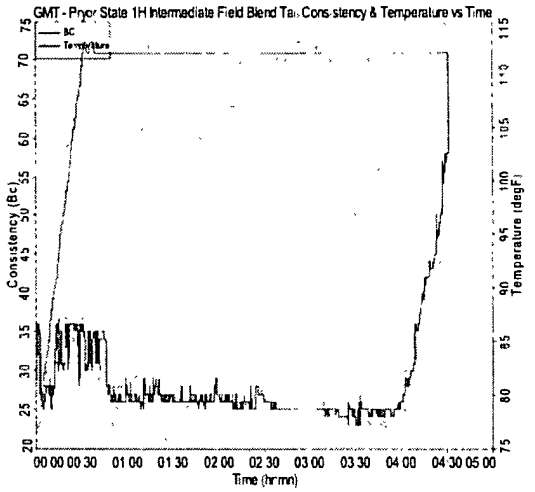
Rheology

Temperature	80 degF			112 degF		
(rpm)	Up (deg)	Down (deg)	Average (deg)	Up (deg)	Down (deg)	Average (deg)
300	**36.0**	**36.0**	**36.0**	**63.0**	**63.0**	**63.0**
200	**30.0**	**29.0**	**29.5**	**53.0**	**51.0**	**52.0**
100	**22.0**	**21.0**	**21.5**	**39.0**	**39.0**	**39.0**
60	**18.0**	**17.0**	**17.5**	**32.0**	**32.0**	**32.0**
30	**14.0**	**13.0**	**13.5**	**25.0**	**23.0**	**24.0**
6	**9.0**	**9.0**	**9.0**	**11.0**	**14.0**	**12.5**
3	**6.0**	**7.0**	**6.5**	**7.0**	**10.0**	**8.5**

10 sec Gel	9 deg - 9.61 lbf/100ft2	9 deg - 9.61 lbf/100ft2
10 min Gel	55 deg - 58.70 lbf/100ft2	10 deg - 10.67 lbf/100ft2
Rheo. computed	Viscosity : 24.855 cP Yield Point : 12.14 lbf/100ft2	Viscosity : 42.260 cP Yield Point : 22.66 lbf/100ft2

Thickening Time

Consistency	Time
POD :	**04:00 hr:mn**
30 Bc	**04:06 hr:mn**
50 Bc	**04:23 hr:mn**
70 Bc	**04:31 hr:mn**



Schlumberger

GMT - Pryor State 1H Production Field Blend Lead

Fluid No : 2012 HNM12C195005	Client : GMT	Location / Rig : Chaves, NM
Date : Apr-06-2012	Well Name : Pryor State 1H	Field :

Signatures: C. Sosa, LT1

Job Type	**Production**	Depth	**13325.0 ft**	TVD	**8993.0 ft**
BHST	**152 degF**	BHCT	**152 degF**	BHP	**5595 psi**
Starting Temp	80 degF	Time to Temp.	00:45 hr:mn	Heating Rate	1.54 degF/min
Starting Pressure	600 psi	Time to Pressure	00:45 hr:mn	Schedule	9.6-1

Composition

Slurry Density	**11.80 lb/gal**	**Yield**	**2.55 ft3/sk**	**Mix Fluid**	**15.134 gal/sk**
Solid Vol. Fraction	**20.7 %**	Porosity	79.3 %	Slurry type	**Conventional**

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
50/50 Poz H		**86 lb of BLEND**	Blend	**182.12 lb/ft3**	FB ID 7260
Fresh water	**14.910 gal/sk**		Base Fluid		
D020	**10.000 %BWOB**		Extender		BULK
D044	**5.000 %BWOW**		Salt		NA
D208	**0.100 %BWOB**		Viscosifier		1H1324A
D046	**0.200 %BWOB**		Antifoam		TU2A0800A0
D013	**0.100 %BWOB**		Retarder		KB12Y23S3DH

Rheology

Temperature	80 degF			150 degF		
(rpm)	Up (deg)	Down (deg)	Average (deg)	Up (deg)	Down (deg)	Average (deg)
300	**38.0**	**38.0**	**38.0**	**50.0**	**50.0**	**50.0**
200	**32.0**	**33.0**	**32.5**	**46.0**	**42.0**	**44.0**
100	**26.0**	**27.0**	**26.5**	**39.0**	**36.0**	**37.5**
60	**23.0**	**23.0**	**23.0**	**32.0**	**32.0**	**32.0**
30	**20.0**	**20.0**	**20.0**	**25.0**	**26.0**	**25.5**
6	**16.0**	**17.0**	**16.5**	**18.0**	**20.0**	**19.0**
3	**15.0**	**16.0**	**15.5**	**12.0**	**15.0**	**13.5**

10 sec Gel	16 deg - 17.08 lbf/100ft2	17 deg - 18.14 lbf/100ft2
10 min Gel	24 deg - 25 62 lbf/100ft2	20 deg - 21.35 lbf/100ft2
Rheo. computed	Viscosity: 19.662 cP Yield Point: 18.92 lbf/100ft2	Viscosity: 22.021 cP Yield Point: 28.70 lbf/100ft2

Thickening Time

Consistency	Time
POD :	**02:35 hr:mn**
55 Bc	**05:45 hr:mn**

Free Fluid

0.0 mL/250mL in 2 hrs
At 152 degF and 45 deg incl
Sedimentation : **None**

Schlumberger

GMT - Pryor State 1H Production Field Blend Tail

Fluid No : 2012 HNM12C195006		Client	: GMT	Location / Rig	: Chaves, NM
Date	: Apr-06-2012	Well Name	: Pryor State 1H	Field	:

Signatures

C. Sosa, LT1

Job Type	**Production**	Depth	**13325.0 ft**	TVD	**8993.0 ft**
BHST	**152 degF**	BHCT	**150 degF**	BHP	**5595 psi**
Starting Temp.	80 degF	Time to Temp.	00:45 hr:mn	Heating Rate	1.54 degF/min
Starting Pressure	600 psi	Time to Pressure	00:45 hr:mn	Schedule	9.6-1

Composition

Slurry Density	**13.00 lb/gal**	**Yield**	**1.42 ft3/sk**	**Mix Fluid**	**7.289 gal/sk**
Solid Vol. Fraction	**31.3 %**	Porosity	68.7 %	Slurry type	**Conventional**

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
PVL		**75 lb of BLEND**	Blend	**176.05 lb/ft3**	FB ID 7770
Fresh water	**7.289 gal/sk**		Base Fluid		
D174	**1.500 %BWOC**		Expanding ce		TU1L0288A0
D201	**0.250 %BWOC**		Retarder		011312-01
D112	**1.000 %BWOC**		Fluid loss		38879
D046	**0.200 %BWOC**		Antifoam		TU2A0800A0

Rheology

Temperature	80 degF			150 degF		
(rpm)	Up (deg)	Down (deg)	Average (deg)	Up (deg)	Down (deg)	Average (deg)
300	**120.0**	**120.0**	**120.0**	**110.0**	**110.0**	**110.0**
200	**88.0**	**85.0**	**86.5**	**86.0**	**84.0**	**85.0**
100	**52.0**	**48.0**	**50.0**	**60.0**	**54.0**	**57.0**
60	**31.0**	**31.0**	**31.0**	**47.0**	**41.0**	**44.0**
30	**22.0**	**18.0**	**20.0**	**33.0**	**28.0**	**30.5**
6	**10.0**	**5.0**	**7.5**	**15.0**	**14.0**	**14.5**
3	**8.0**	**3.0**	**5.5**	**10.0**	**12.0**	**11.0**

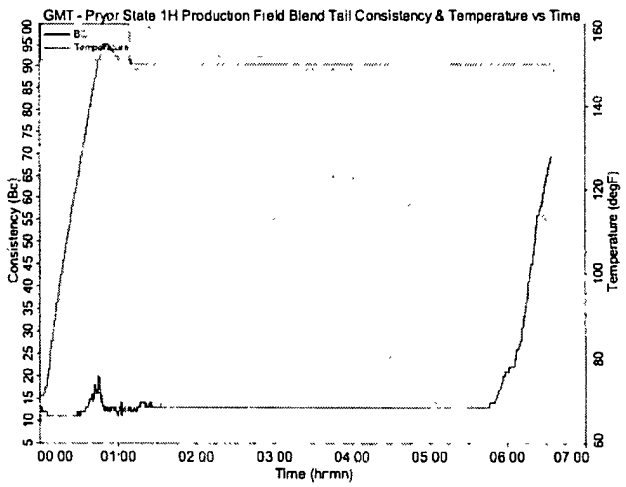
10 sec Gel	5 deg - 5.34 lbf/100ft2	13 deg - 13 88 lbf/100ft2
10 min Gel	13 deg - 13.88 lbf/100ft2	33 deg - 35.22 lbf/100ft2
Rheo. computed	Viscosity . 111.854 cP Yield Point : 10.01 lbf/100ft2	Viscosity : 86.695 cP Yield Point : 25.43 lbf/100ft2

Thickening Time

Consistency	Time
POD	**05:48 hr:mn**
30 Bc	**06:11 hr:mn**
50 Bc	**06:21 hr:mn**
70 Bc	**06:34 hr:mn**

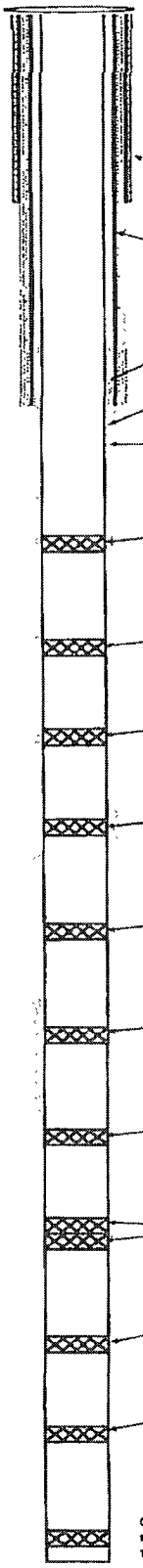
Free Fluid

0.0 mL/250mL in 2 hrs
At 150 degF and 45 deg incl
Sedimentation : **None**



GMT Exploration Company

Well Bore Schematic - Not to Scale - Horizontal Well



Well Name	Pryor State #1H	Spud Date:	3/6/2012
API No	30-025-40396	G.L. Elevation	3,380'
OGRID No	262511	K.B. Elevation	3,398.5'
Property Code	38999	Max Rec Temp	154°F @ 10,601
Surface Location	330' FSL & 480' FWL	Diagram Date	6/1/2013 ADC
S/T/R	S36 of T22S R34E	Revisions	
Field	Ojo Chiso; Bone Spring South		
Pool Code.	97253		
County	Lea		
State	New Mexico		

13 3/8", 48#, H-40, ST&C - 15 joints csg set at 630' w/ 4 centralizers
Cmt Surf w/400 sks 35/65/poz "C" Lead and 200 sks Class "C" Tail. 177 sks circulated to surface.

8 5/8", 32#, HCL-80, LT&C (26 joints), and 8 5/8", 32#, J-55, LT&C (95 joints) set at 5,225'
Cmt Intermediate w/ 2,080 sks 35/65/poz "C" Lead and 350 sks "C" Tail. 281 sks circulated to surface

Designed TOC = 4,225'
Actual TOC = 2,900'

304 jts 5 1/2", 17#, HCP-110, LT&C casing, landed at 13,327', ID=4.892"; Drift= 4.767"
100% Burst rating =10,640 psig, 85% Max press.= 9,044 psig.
Cement with 440 sks 50/50/poz Class H Lead & 880 sks Trinity Lite
"Short Joint" at 7950', joint length is 37.4' versus 44' norm

Top of Curve at 8,440'

Stage 11:
Perforate @ 8,865-8,867', 9,030-9,031'; 9,178-9,180' - 12 shots per foot, 60 deg phasing, 36 total holes
Total Clean: 7,059 bbls, Total Slurry: 7,455 bbls, Total 40/70 104,405#, Total 20/40: 281,815#, Total Prop: 367,021#
Max Pressure: 7,851psi, Average Pressure 4,745psi, ISIP 2,966, FG 0.77psi/ft, 5min: 3,223, 10min: 3,041, 15min: ?
Diamondback Flow Through Plug set @ 9,240'

Stage 10:
Perforate @ 9,280-9,282', 9,380-9,381'; 9,480-9,482; 9,580-9,582' - 10 shots per foot, 60 deg phasing, 40 total holes
Prefrac ISIP 2,000psi, Prefrac FG 0.68, Net Pressure Gain of 739psi
Total Clean: 7,038 bbls, Total Slurry: 7,417 bbls, Total 40/70 104,819#, Total 30/40: 246,751#, Total Prop: 351,571#
Max Pressure: 8,515psi, Average Pressure: 5,716psi, ISIP 2,739, FG 0.75psi/ft, 5min: 2,581, 10min: 2,273, 15min: 2,171
Diamondback Flow Through Plug set @ 9,610'

Stage 9:
Perforate @ 9,678-9,680', 9,778-9,780', 9,878-9,880', 9,978-9,980' - 10 shots per foot, 60 deg phasing, 40 total holes
Total Clean: 7,017 bbls, Total Slurry: 7,407 bbls, Total 40/70 105,139#, Total 20/40: 246,891#, Total Prop: 352,030#
Max Pressure 7,846psi, Average Pressure. 5,933psi, ISIP 2,908, FG 0.76psi/ft, 5min: 2,303, 10min: 2,079, 15min: 1,995
Diamondback Flow Through Plug set @ 10,030'

Stage 8:
Perforate @ 10,078-10,080', 10,178-10,180', 10,278-10,280', 10,378-10,380' - 10 shots per foot, 60 deg phasing, 40 total holes
Total Clean: 6,941 bbls, Total Slurry: 7,318 bbls, Total 40/70 105,030#, Total 20/40 244,038#, Total Prop: 349,068#
Max Pressure 7,998psi, Average Pressure 5,361psi, ISIP 2,591, FG 0.73psi/ft, 5min 2,258, 10min 2,084, 15min. 2,017
Diamondback Flow Through Plug set @ 10,420'

Stage 7:
Perforate @ 10,478-10,480', 10,580-10,582'; 10,680-10,682', 10,780-10,782' - 10 shots per foot, 60 deg phasing, 40 total holes
Prefrac ISIP 2,817psi, Prefrac FG 0.76, Net Pressure Gain of 342psi
Total Clean 7,460 bbls, Total Slurry 7,821 bbls, Total 40/70 105,441#, Total 20/40: 247,597#, Total Prop: 353,038#
Max Pressure 8,539psi, Average Pressure: 5,464psi, ISIP 3,159, FG 0.79psi/ft, 5min: 2,425, 10min 2,229, 15min 2,164
Diamondback Flow Through Plug set @ 10,820'

Stage 6:
Perforate @ 10,880-10,882', 10,980-10,982', 11,080-11,082', 11,180-11,182' - 10 shots per foot, 60 deg phasing, 40 total holes
Prefrac ISIP. 2,686psi, Prefrac FG. 0.74, Net Pressure Gain of 134psi
Total Clean: 7,161 bbls, Total Slurry: 7,741 bbls, Total 40/70. 105,544#, Total 20/40: 245,824#, Total Prop. 351,388#
Max Pressure. 8,644psi, Average Pressure: 5,051psi, ISIP 2,820, FG: 0.76psi/ft, 5min: 2,280, 10mn: 2,193, 15min: 2,151
Diamondback Flow Through Plug set @ 11,230'

Stage 5:
Perforate @ 11,188-10,290'; 11,388-11,390', 11,488-11,490'; 11,588 11,590' - 10 shots per foot, 60 deg phasing, 40 total holes
Prefrac ISIP: 2,385psi, Prefrac FG: 0.71, Net Pressure Gain of 337psi
Total Clean: 8,079 bbls, Total Slurry: 8,460 bbls, Total 40/70 105,344#, Total 20/40 247,078#, Total Prop: 352,424#
Max Pressure: 8,562psi, Average Pressure. 5,552psi, ISIP 2,722, FG 0.745psi/ft, 5min: 2,228, 10min: 2,104, 15min: 2,052
Diamondback Flow Through Plug set @ 11,630'

Stage 4:
Perforate @ 11,680-11,682'; 11,780-11,782', 11,880-11,882'; 11,980-11,982' - 10 shots per foot, 60 deg phasing, 40 total holes
Prefrac ISIP: 2,199psi, Prefrac FG: 0.7, Net Pressure Gain of 67psi
Total Clean: 7,484 bbls, Total Slurry: 7,845 bbls, Total 40/70: 105,617#, Total 20/40. 246,813#, Total Prop: 352,430#
Max Pressure: 8,615psi, Average Pressure. 5,196psi, ISIP. 2,366, FG: 0.71psi/ft, 5min: 2,005, 10min. 1,943, 15min: 1,911
Diamondback Flow Through Plug set @ 12,040' - Misfire, set another plug at 12,030'

Stage 3:
Perforate @ 12,088-12,090', 12,188-12,190'; 12,288-12,290', 12,388-12,390' - 10 shots per foot, 60 deg phasing, 40 total holes
Total Clean: 7,443 bbls, Total Slurry: 7,824 bbls, Total 40/70. 105,335#, Total 30/50: 49,440#, Total 20/40: 197,560#, Total Prop: 352,337#
Max Pressure 7,855psi, Average Pressure: 5,578psi, ISIP: 2,617, FG: 0.73psi/ft, 5min: 2,229, 10min: 2,145, 15min. 2,111
Diamondback Flow Through Plug set @ 12,450'

Stage 2:
Perforate @ 12,480-12,482'; 12,580-12,582'; 12,680-12,682', 12,780-12,782' - 10 shots per foot, 60 deg phasing, 40 total holes
Total Clean: 7,667 bbls, Total Slurry: 8,047 bbls, Total 40/70 109,585#, Total 30/50 48,340#, Total 20/40: 193,535#, Total Prop: 351,460#
Max Pressure. 8,505psi, Average Pressure: 5,439psi, ISIP: 2,687, FG: 0.74psi/ft, 5min. 2,133, 10min: 2,040, 15min: 2,004
Diamondback Flow Through Plug set @ 12,840'

Stage 1:
Perforate w/ TCP Guns @ 12,880-12,882'; 12,987-12989'; 13,080-13,082'; 13,180-13,182' - 10 shots per foot, 60 deg phasing, 40 total holes
Prefrac ISIP. 2,378psi, Prefrac FG: 0.71, Net Pressure Gain of 317psi
Total Clean: 10,105 bbls, Total Slurry: 10,486 bbls, Total 40/70: 105,890#, Total 30/50: 49,040# Total 20/40: 197,047#, Total Prop: 351,977#
Max Pressure: 8,736psi, Average Pressure. 6,461psi, ISIP: 3,295, FG: 0.8psi/ft, 5min: 2,245, 10mn 2,131, 15min: 1,998

CIBP set at 13,259'
Kick Start Valve at 13,281'
TD - 13,317'