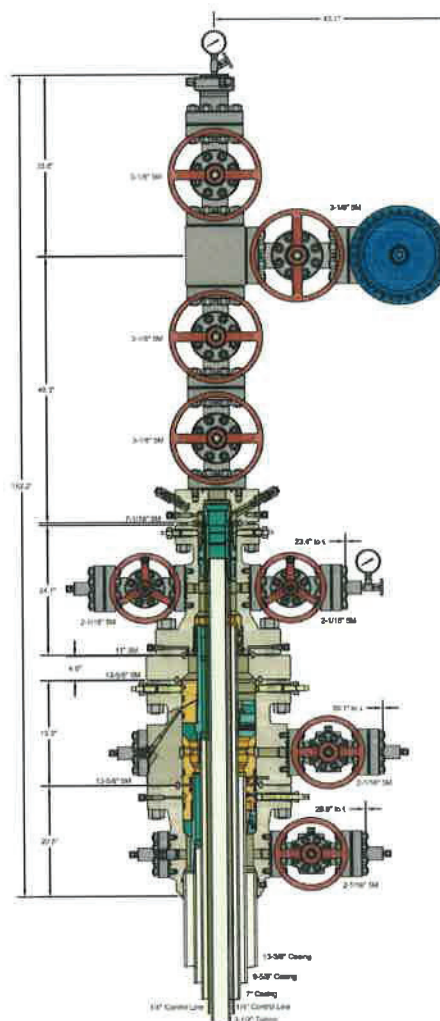


APPENDIX H

PB ENERGY COMPLETION PLAN

WELLHEAD SCHEMATIC



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13-3/8" x 9-5/8" x 7" x 3-1/2" 5M SH2/SH2-R Wellhead
Assembly, With DSA and T-EBS-F Tubing Head,
T-M40-CCL Tubing Hanger and Adapter Flange

SUBSURFACE TECHNOLOGY INC.
LINAM RANCH AGI #2

DRAWN	VJK	01AUG14
APPRV	KN	01AUG14

FOR REFERENCE ONLY DRAWING NO.	AE25728
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PREPARED BY
R. BENTLEY

DATE
9/29/2014

REVIEWED BY

DATE

**WELL WORKOVER PROGRAM**

Project Number 185853A

DCP MIDSTREAM, LP
LINAM RANCH AGI #2

As of Date 12/15/2014

COMPLETION PROGRAM

Page 1 of 8

Operator Name: DCP Midstream, LP
Well: Linam Ranch AGI #2
Field: AGI
County, State: Lea County, NM
Section: 30 Township: 18S Range: 37E

Order No.: R-12546-K
API #: 30-025-42139
OCD District 2: Hobbs

WELLBORE CONFIGURATION AND CASING PROGRAMCurrent Wellbore Configuration:

30" Conductor Pipe: 0 - 120 ft (Augered)
20", 106.5# Surface Casing: 0 - 1570 ft (26" Hole)
13 3/8", 68# Upper Intermediate Casing: 0 - 3,220 ft (17 1/2" Hole)
9-5/8", 47# Lower Intermediate Casing: 0 - 8,600 ft (12-1/4" Hole)
7", 26# Production Casing: 0 - 8,500 ft (8 1/2" Hole)
7", 26# 28Cr Production Casing: 8,500 ft - 9,200 ft (8 1/2" Hole)
Total Depth: 9,200 ft (Cased Hole)

Proposed Wellbore Completion:

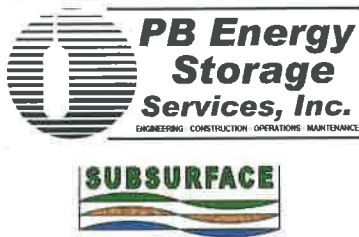
3 1/2", 9.3#, L-80 TSHP Tubing: 0 - 250 ft (Cased Hole)
Schlumberger Subsurface Safety Valve (SSSV), Vam Top thread, set at 250 ft
3 1/2", 9.3#, L-80 TSHP Tubing: 250 - 8,530 ft
3 1/2", 9.3#, SM2550 Tubing: 8,530-8,620 ft
Halliburton "BWD" Perma-Series Packer at 8,620 ft
Perforation Zone: 8,700 - 9,100 ft (Lower Bone Springs)

INTRODUCTION

This program presents the proposed steps for completing the Linam Ranch AGI #2 in Lea County, New Mexico that was drilled to a total depth of 9,200 ft in December, 2014.

The objectives of this workover are:

1. Re-enter well and drill DV tools and shoe track. Pressure test 7" casing.
2. Run a Segmented Bond Log (USIT) on the 7" production casing
3. Perforate the Bone Spring / Wolfcamp Injection Zone
4. Conduct injection and falloff tests using Schlumberger Fiber Optic slickline and memory gauges
5. Run 3 1/2" TSHP and CRA tubing, set permanent packer, install P/T sub, and install SSSV
6. Pump packer fluid (red dye diesel #2) to fill annulus and land 3 1/2" TSHP tubing
7. Install injection tree and perform MIT test for NMOCD
8. Rig down and remediate location as necessary



WELL WORKOVER PROGRAM

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DCP MIDSTREAM, LP
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PROCEDURE

1. Notify the NMOCD Hobbs office of plans to begin work according to NM OCD order number R-13809.
2. Move in and rig up the Completion Rig with reverse unit, power swivel, and tanks (verify need for anchors). Install 5M, 7-1/16-inch BOPE.
3. Run in hole with a 6-1/8-inch bit (ID of 7" 26 ppf HCL-80 is 6.276") on 2-7/8-inch work string and clean out cement to first DV tool at 3000 ft. DO NOT PRESSURE TEST. Continue to second DV tool at approximately 8100 ft and drill out. Continue to drill out float collar to 20 feet above float shoe at approximately 9250 ft and pressure test (to 800 psig, 0.55 testing gradient assuming 9.0 ppg brine water). Chart for NMOCD. Clean out and circulate well bore to 9.0 ppg filtered brine water.
4. Rig up and pump 2040 gallons (48 bbls) of 15% HCL acid inside workstring (to pickle out) and circulate acid out of well with 13,786 gallons (328 bbls) of 9.0 ppg brine.
5. Pull out of hole with work string and lay down the power swivel.
6. Run USIT casing inspection/cement evaluation of 7-inch casing from 9,200 feet to surface.
7. Run in hole with wireline to 9,085 feet and shoot up to 150 feet of perforations at 6 SPF up to 8,710 feet (allow for 8 runs). Pull out of hole and rig down wireline. Assure the well is dead.
8. Run and set test packer at 8,600 feet on work string
9. Bullhead 2000 gallons of 15% HCL acid into formation (2 gallons of acid per shot or ~2000 gallons, including 10% over). Pump 49 bbls (based on 8600 ft of 2-7/8", 7.9 ppf workstring and 110 ft of 7" 26 ppf 28 Cr casing (assumed ID = 6.2")) of 9.0 ppg filtered brine water to displace acid from workstring and casing. Allow acid to soak in the formation for 60 minutes. Flush with more 9.0 ppg filtered brine water.
10. Rig up DTS and downhole Sapphire gauges and run in hole to establish temperature baseline
11. Conduct an injection/step rate test. Monitor pressures and plot injection rates versus injection pressure on a chart and observe chart during the step rate test.
 - a) Start pumping at 1 barrel per minute (bpm) for 60 minutes to establish a baseline rate and monitor pressure buildup. If pressure stabilizes before 30 minutes, increase to 2 bpm after 30 minutes.
 - b) Continue injection rate at 2 bpm for 30 minutes.
 - c) Increase injection rate to 3 bpm and inject for 30 minutes.
 - d) Increase injection rate to 4 bpm for 30 minutes.
 - e) Increase injection rate to 5 bpm for 30 minutes and monitor pressure closely for breakdown pressure (fracture gradient, should see sharp drop in injection pressure).

 PB Energy Storage Services, Inc. ENGINEERING - CONSTRUCTION - OPERATIONS - MAINTENANCE 	WELL WORKOVER PROGRAM	Project Number 185853A
	DCP MIDSTREAM, LP LINAM RANCH AGI #2	As of Date 12/15/2014
	COMPLETION PROGRAM	Page 3 of 8

- f) Increase rate to 6 bpm if injection pressure is below maximum allowable surface injection pressure (MASIP) and continue for 30 minutes.
 - g) Increase rate to 7 bpm if injection pressure is below MASIP and continue for 30 minutes. Shut in for warm back period including pressure falloff test for 5 days.
12. Pull out of hole and lay down workstring and test packer
 13. Run 7" gauge ring to 8700 feet (below where packer assembly and seal assembly will be set). Install blanking plug in profile nipple. Run a 7-inch X 3-1/2-inch permanent packer on wireline with PBR, and profile nipples. Refer to Page 5 for permanent packer diagram.
 14. Run seal assembly, DTS port, 2-3 joints of CRA, and 3-1/2-inch L-80 tubing with external DTS control line (torque turn each connection). Refer to Tubing Detail on Page 7. Internally pressure test each connection to **800** psig? A subsurface safety valve will be fitted at ~250 feet.
 15. Tag and space out. Pull up and pump diesel/biocide mixture as follows:
 - a) Mix 55 gallons of Bactron K-139 in 50 bbls of 10 ppg brine
 - b) Pump biocide pill down the 3-1/2" tubing
 - c) Mix 1 gallon of Cortron RU-160 in 200 gallons of methanol
 - d) Pump methanol/Cortron RU-160 mixture down the 3-1/2" tubing
 - e) Pump 14,000 gallons (333 bbls) of diesel down the tubing mixed with 275 gallons of Cortron R-2525. This will fill the entire annulus and leave 500 ft of diesel mixture in the 3-1/2" tubing.
 - f) Pump 2960 gallons (70 bbls) of 9.0 lb/gal brine water into the 3-1/2" tubing to displace the diesel mixture into the 7" X 3-1/2" annulus.
 16. Once diesel is at surface, land tubing hanger. Nipple down BOPE, nipple up wellhead and upper section.
 17. Nipple up wellhead upper section and remove the blanking plug from the profile nipple.
 18. Release rig. Clean up and restore the wellsite.
 19. Pickle 2000 gallons of 7.5% acid into formation through 3-1/2" tubing string.



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DCP MIDSTREAM, LP LINAM RANCH AGI #2

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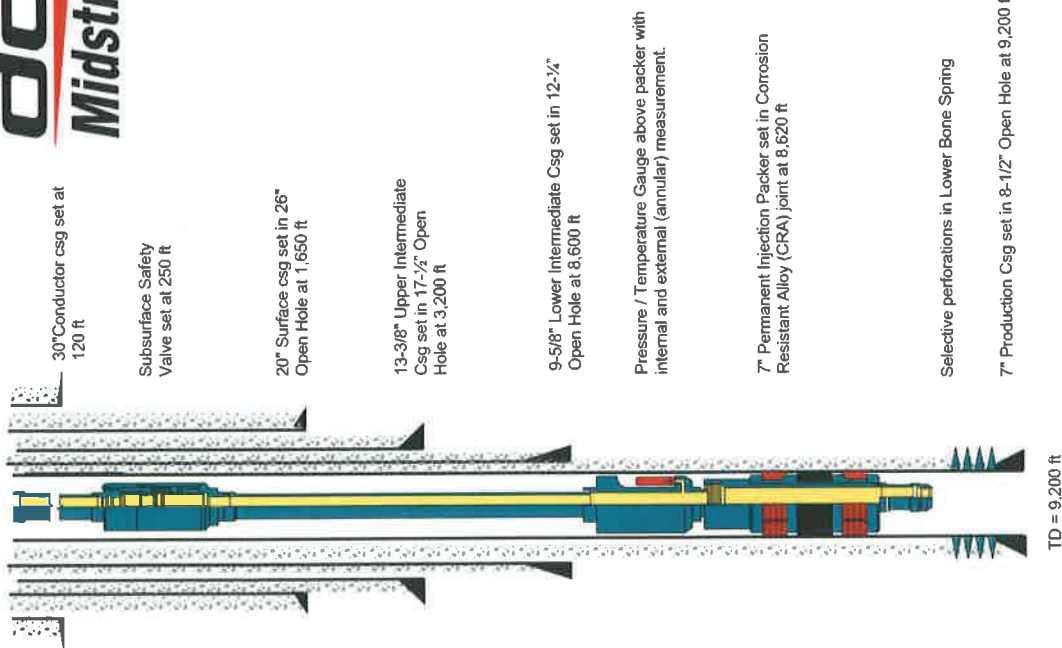
WELLBORE SCHEMATIC



DCP MIDSTREAM, LP LINAM AGI #2

Location:	1,600 FSL & 1,750 FWL (Unit K)
STR	S30-T185-R37E
County, St.:	LEA COUNTY, NEW MEXICO
CONDUCTOR PIPE	
30" Conductor set at 120 ft	
Cemented to surface	
SURFACE CASING	
20", 94#, J55, BTC to 500 ft	
20", 106.5#, J55, BTC from 500 ft to 1,650 ft	
Cemented to surface	
UPPER INTERMEDIATE CASING	
13 3/8", 68#, J-55, BTC, set at 3,200 ft	
Cemented to surface	
LOWER INTERMEDIATE CASING	
9-5/8", 47#, HCL-80, LT&C set at 8,600 ft	
Cemented to surface	
PRODUCTION CASING:	
7", 26#, HCL-80 LT&C, from surface to 8,500 ft	
7", 26#, 28Ct, VAM TOP from 8,500 ft to 9,200 ft (TD)	
Cemented to surface	
PACKER:	
Permanent injection packer with Incoloy components set in Corrosion Resistant Alloy (CRA) csg at 8,620 ft	
TUBING:	
Subsurface Safety Valve at 250 ft	
3-1/2", 9.3#/ft, L80 from surface to 8,530 ft	
3-1/2", 9.3#/ft, SM350 from 8,530 ft to 8,620 ft	
Premium thread utilizing metal to metal sealing in collars	

**DR PARSONS
BRINCKERHOFF**
REB - 10/29/14

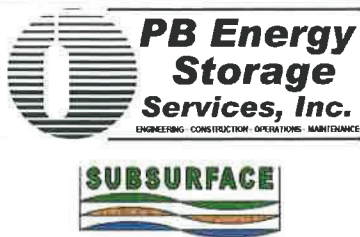


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WELL WORKOVER PROGRAM

Project Number 185853A

DCP MIDSTREAM, LP
LINAM RANCH AGI #2

As of Date 12/15/2014

COMPLETION PROGRAM

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HALLIBURTON

Permanent Packer

Prepared For: PB Energy
Field Name: Linam
Well Number: #2
Well Location: Lea County, New Mexico

HBD File Name

306322V4A

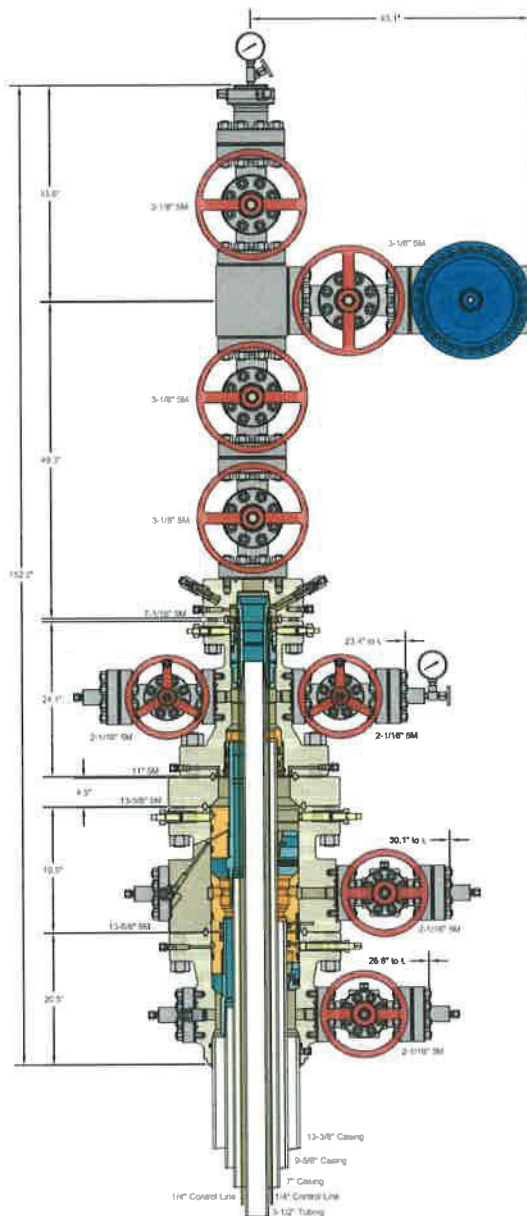
ITEM	DESCRIPTION	I.D.	O.D.	LENGTH	DEPTH
A	Production Tubing, 3 1/2" 9.3# TSHP, L-80	2.992	3.915	282.00	0.00
1	Safety Valve Assembly				
a	X- Over Pup Joint, 3 1/2" 9.3# L-80 TSHP Box x 3 1/2" 9.3# Vam Top Pin	2.992	3.915	4.00	282.00
b	Schlumberger	2.562	6.180	6.00	286.00
c	X- Over Pup Joint, 3 1/2" 9.3# TSHP B x 3 1/2" 9.3# L-80 Ultra FX Pin	2.992	2.604	4.00	292.00
B	Production Tubing, 3 1/2" 9.3# TSHP, L-80	2.992	3.915	8,350.41	296.00
C	X- Over Pup Joint, 3 1/2" 9.3# TSHP B X 3 1/2" 9.2# Vam Top P L-80 Halliburton	2.992	3.907	4.00	8,522.41
D	Production Tubing x 3 1/2" 9.3# Vam Top L-80	2.992	3.907	120.00	8,526.41
2	Landing Nipple Assembly				
a	"R" Landing Nipple 2.562" X 3 1/2" Vam Top Incoloy 925 (811R25635) (102204262)	2.562	3.937	1.59	8,646.41
E	PT Receptical				
a	3 1/2" 9.3 # Vam Top Schlumberger			2.00	8,648.00
3	Seal Assembly				
a	Loc Straight Slot 3 1/2 9.2# Vam Top x 3 1/2" 10.2# Vam inside 925 (212S4067-D) (102351212)	2.883	4.470	1.76	8,650.00
b	Seal Assy, 4.00 X 3 1/2" 10.20 Van Inside 925 material Molded Fluorel seals, Pressure rating 8,000psi (QTY 2) REF: (812MSA40003-D) (102133617)	2.883	4.000	2.00	8,651.78
c	Ext Seal spacer 3 1/2" 10.2# New Vam Spcl INC 925 (212X38814-D) (158726)	2.902	3.860	4.00	8,653.78
d	Seal Assy, 4.00 X 3 1/2" 10.20 Van Inside 925 material Molded Aflas seals, Pressure rating 8,000psi (QTY 3) (812MSA40003-D) (102133617)	2.883	4.000	3.00	8,657.78
e	MS Guide, 3 1/2 10.2# New Vam 925 Material (812G40137-D) (102133560)	2.972	3.960	0.54	8,660.78 8,661.32
4	Packer Assembly				
a	Halliburton "BWD" Perma-Series™ Packer 7.26-32.4.00, 4 3/4" 8UNS Incoloy 925 Material (Aflas) Pressure Rating 10,000psi (212BWD70412-D) (101303583)	4.000	5.875	4.00	8,650.00
b	Seal Bore Ext 4,000 x 8" Incoloy 925 4 3/4" 8UN P&P (212C7674) (120051359)	4.000	5.032	8.00	8,654.00
c	Adapter 4 3/4" Bun Box x 3 1/2" 9.2 Vam Top Pin (212N100131) (101719647)	2.926	5.680	1.00	8,662.00
d	Pup, 3 1/2" 9.3# Vam Top Incoloy 925 with Coupling Halliburton	2.992	3.907	6.00	8,663.00
e	"R" Landing Nipple 2.562" X 3 1/2" Vam Top Incoloy 925 (811R25635) (102204262)	2.562	3.937	1.59	8,669.00
f	Pup, 3 1/2" 9.3# Vam Top Incoloy 925 with Coupling Halliburton	2.992	3.907	6.00	8,670.59
g	"R" Landing Nipple 2.562" X 3 1/2" Vam Top Incoloy 925 (811R25635) (102204262)	2.562	3.937	1.59	8,676.59
h	WL Re-Entry Guide 3 1/2" Vam Top 925 Material (812M1182-D) (101959861)	2.920	3.970	0.70	8,678.18 8,678.88

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13-3/8" x 9-5/8" x 7" x 3-1/2" 5M SH2/SH2-R Wellhead
Assembly, With DSA and T-EBS-F Tubing Head,
T-M40-CCL Tubing Hanger and Adapter Flange

SUBSURFACE TECHNOLOGY INC.
LINAM RANCH AGI #2

DRAWN	VJK	01AUG14
APPRV	KN	01AUG14

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WELL WORKOVER PROGRAM

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Tubing Detail Unlined Carbon Steel (Linam 2)

Item No	Quantity	Item	Top	Bottom	I.D.	Length*	Depth*	Resp. Party
20	1	Tubing Hanger	8rd EUE	TS-HP			0	PB
19	1	Double Pin Sub	TS-HP	TS-HP	2.992	6	6	PB
18	1	3-1/2, 9.3 L-80	TS-HP	TS-HP	2.992	30	36	PB
17	As Req	Pup Joints 3-1/2, 9.3 L-80	TS-HP	TS-HP	2.992	30	66	PB
16	7	3-1/2, 9.3 L-80	TS-HP	TS-HP	2.992	210	276	PB
15	1	Crossover Sub (non-alloy, 9.3# L-80)	TS-HP	Vam Top	2.992	4	280	SWS
14	1	SSSV - Schlumberger	Vam Top	Vam Top	2.562	6	286	SWS
13	1	Crossover Sub (non-alloy, 9.3# L-80)	Vam Top	TS-HP	2.992	4	290	SWS
12	As Req	3-1/2, 9.3 L-80	TS-HP	TS-HP	2.992	8220	8510	PB
11		Crossover Sub (non-alloy, 9.3# L-80)	TS-HP	Vam Top	2.992	4	8514	HES
10	3	3-1/2; 9.3 Alloy Full Joints	Vam Top	Vam Top	2.992	120	8634	PB
9	1	Profile Nipple Alloy 925	Vam Top	Vam Top	2.562	2	8636	HES
8	1	Receptacle P-T Alloy	Vam Top	Vam Top	2.81?	2	8638	SWS
7	1	Seal Assembly	Vam Top		?	10	8648	HES
6	1	Alloy Packer with PBR - Halliburton					8650	HES
5	1	3-1/2; 9.3 Alloy Pup Joint	Vam Top	Vam Top	2.992	6	8656	HES
4	1	Profile Nipple Alloy 925	Vam Top	Vam Top	2.562	2	8658	HES
3	1	3-1/2; 9.3 Alloy Pup Joint	Vam Top	Vam Top	2.990	6	8664	HES
2	1	Profile Nipple Alloy 925	Vam Top	Vam Top	2.562	2	8666	HES
1	1	Wireline Entry Guide	Vam Top		2.990	4	8670	HES

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Attachments:

- Information as needed
- Information
- Information
- Information

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