

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

HOBBS OCD

DEC 19 2013

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. MALJAMAR 10 FEDERAL 1	
2. Name of Operator DEVON ENERGY PRODUCTION CO. L.P. Contact: DAVID H COOK E-Mail: david.cook@dvn.com		9. API Well No. 30-025-35317	
3a. Address 333 WEST SHERIDAN AVENUE OKLAHOMA CITY, OK 73102-5010	3b. Phone No. (include area code) Ph: 405-552-7848	10. Field and Pool, or Exploratory PADDOCK	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T17S R32E SWSE 660FSL 1530FEL		11. County or Parish, and State LEA COUNTY, NM	

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Company, L.P. respectfully requests approval to temporarily abandon the Abo & Wolfcamp and recompleate to the Upper Paddock as follows:

- 1) MIRU PU, bleed and kill well. Unseat pump & TOOH w/rods and pump. ND WH, NU BOP & test same. Unset TAC and TOOH w/tbg.
- 2) MU bit and scraper; RIH & tag CIBP @ 10,365'.
- 3) MU 5 1/2" RBP & RIH and set @ 6,000'. Dump bail 2sx cmt on top of RBP.
- 4) Perform a MIT @ 500psi/30min w/chart. If csg passes MIT, then MIRU WL, make GR run to 5,950'; RU & perf Paddock formation @ 5,608'-5,639', w/31 holes.
- 5) TIH w/Weatherford 10K HD Pkr & 2 7/8" tbg to 5,645'. Hydrotect tbg to 7,000psi while TIH.
- 6) RU acid crew & spot acid across Paddock perms @ 5,608' - 5,639'. PUH & set Pkr @ approx. 5,558'. Test Pkr. Acidize w/3,000 gals 15% HCL w/ball sealers.
- 7) Swab test well. If okay, unset Pkr; TOOH w/tbg and Pkr.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL
SUBJECT TO LIKE
APPROVAL BY STATE

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #223156 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION CO., LP, sent to the Hobbs
Committed to AFMSS for processing by JOHNNY DICKERSON on 10/17/2013 ()

Name (Printed/Typed) DAVID H COOK

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 10/16/2013

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

FEB 24 2014

Additional data for EC transaction #223156 that would not fit on the form

32. Additional remarks, continued

- 8) PU & RIH w/3 1/2", 9.3#, L-80 tbg w/10K Big Bore HD Pkr and set & approx. 5,558'. ND BOP & NU frac tree.
 - 9) RU HES and Pro Technics. Test lines. Frac stimulate Paddock perms per HES proposal.
 - 10) RD HES & flow well back.
 - 11) TOOH and LD 3 1/2" tbg. MU bailer & RIH and tag file. Clean out & TOOH w/bailer.
 - 12) RU Pro Technics. RIH w/SpectraScan log. RD Pro Technics.
 - 13) TIH w/production tbg; set TAC @ approx. 5,500'; set SN @ approx. 5,860'. Run 28ft sand screen on bottom.
 - 14) TOOH and RDMO; turn to production.
- See attached procedure & WBS

Maljamar 10 Fed #1

WBS# XXXXXXX

Objective - Temporarily Abandon the Abo & Wolfcamp. Acidize & Frac the Upper Paddock. Leave the well in a condition that the Abo and Wolfcamp can be RTP in the future. **H2S may be present once perforating Paddock.

API# - 30-025-35317

GL - 4,108'

TD - 12,800'

Location - Lea Co. -- Sec 10-17S-32E-6

KB - 4,125' (17')

PBTD - 10,365'

Casing	OD	WT/FT	Grade	Top	Bottom	TOC	80% Collapse (psi)	80% Burst (psi)
Surface	13-3/8	48	H-40	18	1,031	Surface	592	1384
Intermediate	8-5/8	32	J-55	19	4,610	Surface	2024	3144
Production	5-1/2	17	L-80	17	12,800	4,370'	5112	6192
Tubing								
Production	2-7/8	6.5	L-80	17	9,860	-	8936	8456

Current perforations - 8,994'-98' (Abo)

9,071'-76', 9132'-40', 9796'-9802', 9826'-32' (Wolfcamp)

Current production -7 bopd, 40 mcfpd, 5 bwpd

Current BHA - 278 jts tbg, TAC, 31 jts tbg, SN @ 9,860', EOT @ 9,861'

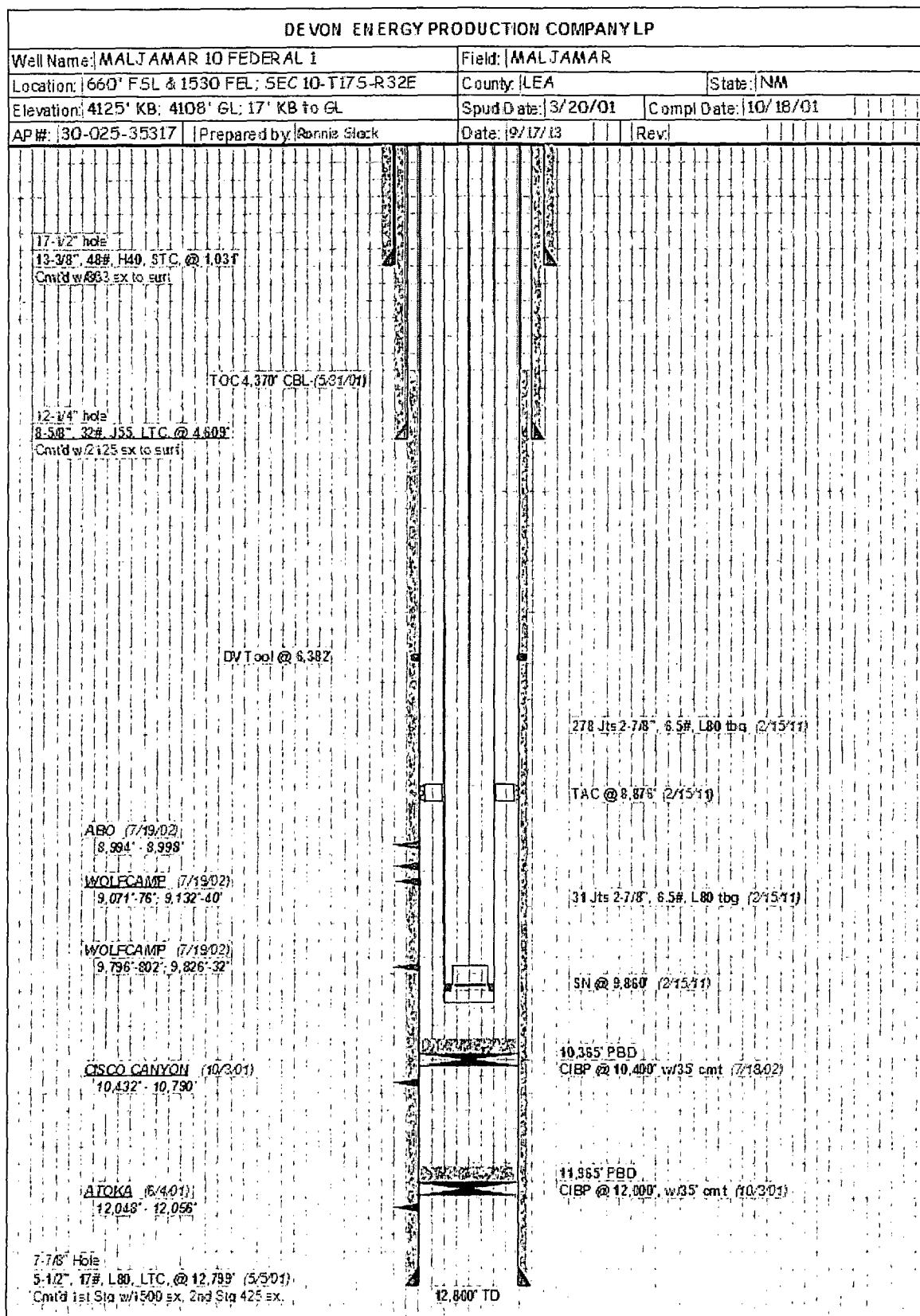
Sucker Rods & Pump- 6' and 8' pony rods, 104-1" Norris, 107-7/8" Norris, 181-3/4" Norris, 2' pony, RHBM-HVR pump

Procedure:

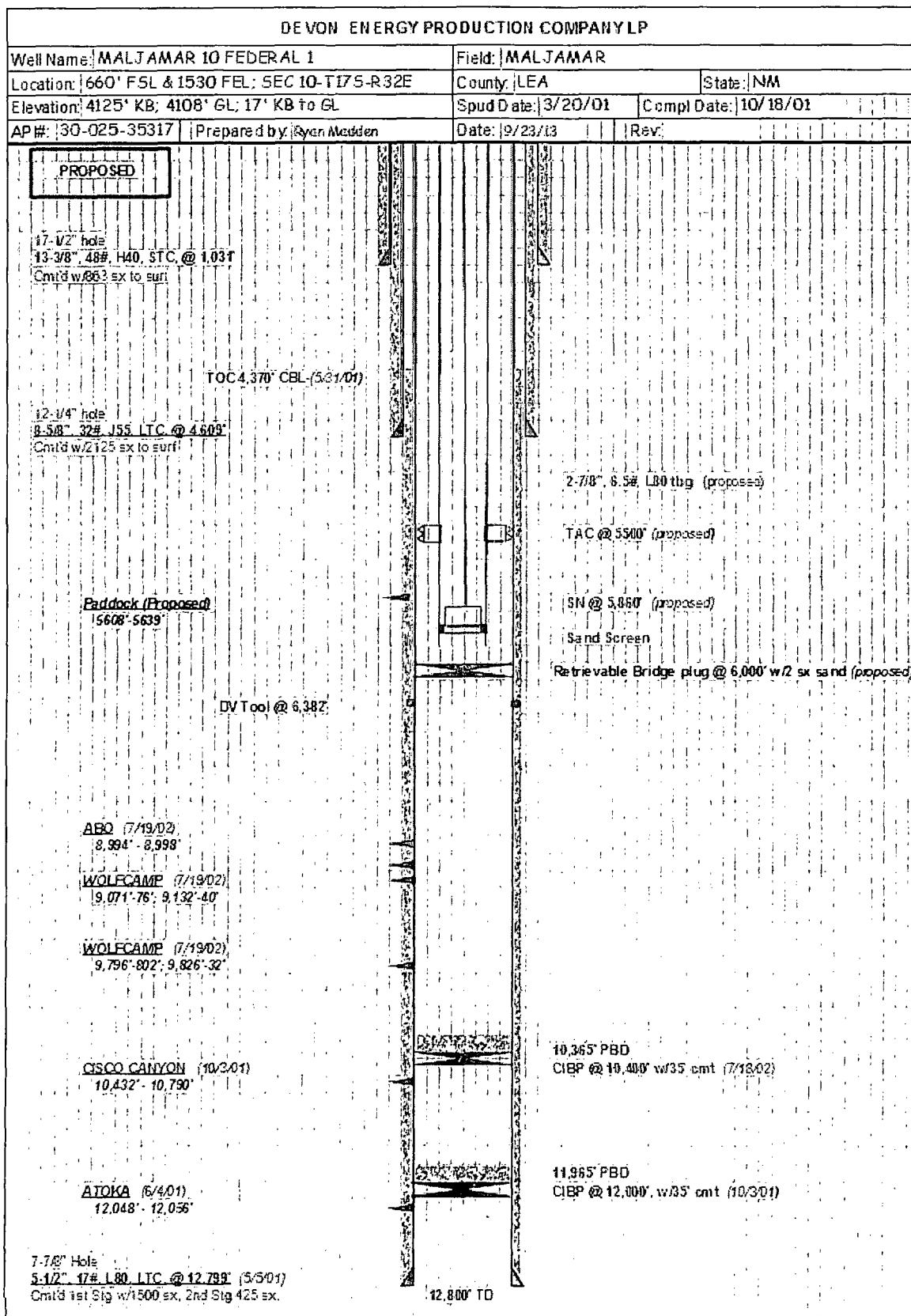
- 1) Perform all energy isolation requirements and LOTO. MIRU PU. Set pipe racks. Check tubing and casing for pressure, bleed and kill well w/ 2% KCL if necessary. Unseat pump. TOH w/ rods and pump. ND WH. NU 5K BOP. Test BOP to Devon specifications. Unset TAC. TOH w/ tubing while tallying.
- 2) Make up bit and scraper. RIH and tag CIBP @ 10,365.
- 3) Make up 5-1/2" RBP. RIH w/RBP and set at 6,000'. Dump bail 2 sx of sand.
- 4) Load 5-1/2" casing with 2% KCL and perform an MIT (500 psi for 30 minutes with chart).
 - If 5-1/2" casing will not chart contact OKC Engineer.
 - If casing passes MIT continue with procedure.

10/7/2013

Current WBD



Proposed WBD





- 5) MIRU WL with full lubricator. Test Lubricator to Devon specifications. Make GR run in 5-1/2" casing to 5950'. **Note: GR Log for tie in is attached below.** RU 3-1/8" slick guns and perf a total of 31 shots as follows:

Formation	Perf Interval (ft)	Feet	Density (spf)	Phasing (°)	Charge (in)	# of Holes
Paddock	5608 - 5639	31	1	60	0.42	31

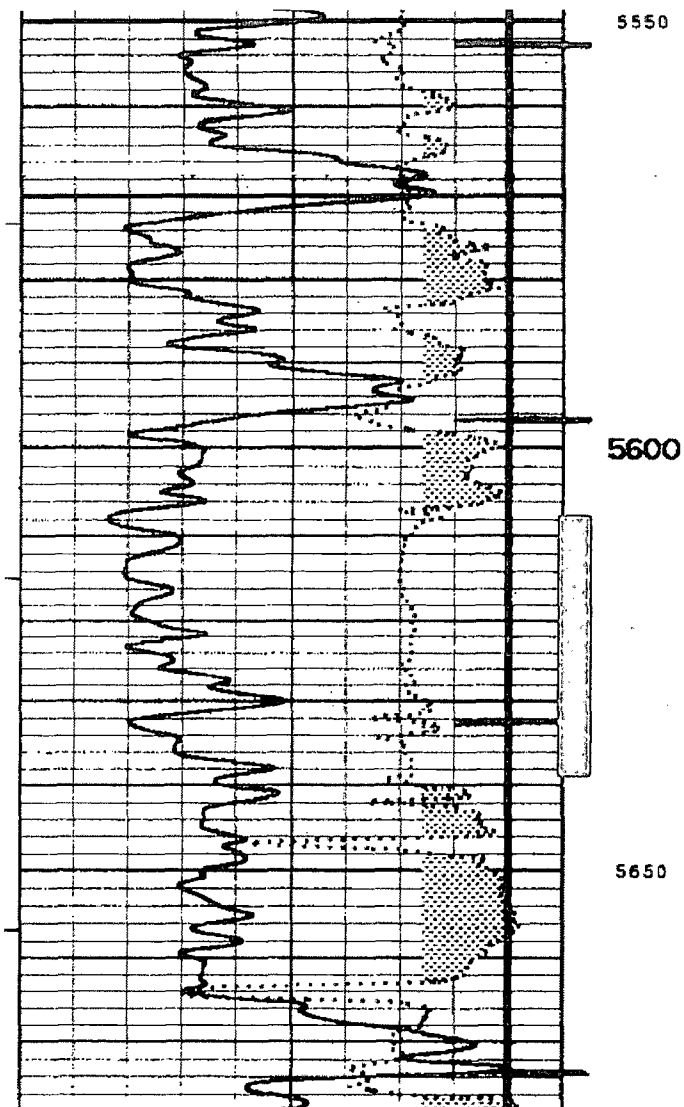
- 6) RU safety services and personnel for H2S monitoring
- 7) TIH w/ Weatherford 10K HD treating packer & 2-7/8" tbg to 5,645' KBM. Hydrotest 2-7/8" tubing below slips to 7,000 psi while TIH.
- 8) RU Acid crew. Test lines. Spot acid across Paddock perfs @ 5,608-5,639'. PUH & set packer ~5,558'. Apply 500 psi to backside. Make sure packer tests. Acidize well with 3,000 gals 15% HCL with ball sealers. Shut well in for one hour. Flow back well until it dies.
- 9) Swab test well to determine oil cut. Notify Engineering of results. If ok, unset packer; drop down to knock any balls off perfs to bottom. TOH w/ tubing & packer.
- 10) Receive ~5,600' of 3-1/2", 9.3#, L-80 tbg for work string. RU Big Bear lay down machine. Change out pipe rams on BOP. PU Weatherford 10K big bore HD pkr and TIH W/ 3-1/2" tbg (hydrotest 3-1/2" tubing below slips to 8,000 psi) & set Pkr at ~5,558'. ND BOP. NU FMC 3-1/2" frac tree. **Have Stinger tree saver ready for frac.
- 11) RU HES and ProTechnics. Test lines. Apply 500 psi to 3-1/2" by 5-1/2" annulus (monitor annulus during frac - keep annulus pressure below 750 psi). Frac Stim Paddock perfs from 5,608' - 5,639' per HES proposal. **MAX PRESSURE IS TO BE 8,100psi. Note: Tag frac with tracer material per Pro Technics recommendation.** Record average treating pressure, rates and job load along with ISIP, 5, 10 & 15 minute readings. Shut well in.
- 12) RD HES. Flow well back at 30 bbl/hr for a minimum of 12 hrs (or longer if needed - overnight) and then start increasing to a maximum of 60 bbl/hr until well dies. Make sure any solids are captured in a half tank for ease of removal at a later date (if on site storage is necessary). Have Pro Technics check flow back before removal of any solids from location. Watch for sand in surface samples and reduce flowback if excessive sand is noted.
- 13) TOH laying down 3-1/2" work string. Change out pipe rams on BOP back to 2-7/8".
- 14) Make up bailer assembly with notched or saw tooth collar. RIH w/ bailer assembly and tag fill. Contact OKC Engineer to determine if cleanout is needed. TOH w/ bailer assembly.

15) RU Pro Technics & slickline co. with full lubricator. Run SpectraScan log per Pro Technics recommendation. RD Pro Technics and slickline co.

16) TIH w/ production tubing. Set TAC ~ 5,500'. Set SN @ ~5,860'. Run 28ft sand screen on bottom. Rod Design TBD.

17) Initiate a corrosion inhibitor program if H₂S was detected.

Paddock Proposed Perfs - GR Tie in



HALLIBURTON

Devon Energy Prod Co Lp-ebusiness
Do Not Mail- PO Box 1678
Oklahoma City, Oklahoma 73101-8838

Maljamar 10 Fed 1

Lea County, New Mexico
United States of America
API/UWI 30-025-35317

HOBBS OCD

DEC 19

RECEIVED

HOBBS OCD

DEC 19 2013

RECEIVED

1-Stage Paddock Frac Cost Estimate

Prepared for: Ryan Madden

October 2, 2013
Version: 1

Submitted by:
Nick Ashley

Halliburton
125 W Missouri - Suite 300
Midland, Texas 79701
432.634.5410

HALLIBURTON

Well Information**1-Stage Frac**

Well Name: Maljamar 10 Fed Well #: 1

Tubulars

Name	Measured Depth (ft)	Outer Diameter (in)	Inner Diameter (in)	Linear Weight (lbm/ft)	Grade
Tubing	0 - 5558	3.5	2.992	9.3	L-80
Production Casing	0 - 12800	5.5	4.892	17	L-80

Perforations

Interval Name/ Depth (ft)	# of Perfs	Hole Diam (in)
Stage 1 - Paddock / 5608 - 5639	31	0.42

Formations

Name	Top MD (ft)	Bottom MD (ft)
Paddock Formation	5608	5639

Lithology

Treatment/ Depth (ft)	BHST (degF)	Frac. Grad. (psi/ft)
Paddock /5608 - 5639	125	0.7

Rate	40 bpm
Anticipated WHTP	6000 psi
Maximum Allowable Pressure	8100 psi
Treat Via	3-1/2" Tubing x 5-1/2" Casing

HALLIBURTON

Job Fluids Summary 1-Stage Frac

15% HCl Acid		
Volume	Corrosion Inhibitor	Surfactant
2000 (Gal)	HAI-OS	losurf-360w
Totals:	4 (Gal)	2 (Gal)

Slick Water						
Volume	Base Fluid	Biocide	Surfactant	Friction Reducer	Clay Control	Breaker
111100 (Gal)	Fresh Water*	BE-9	losurf-360w	FR-66	CLA-Web	OptiKleen-WF
Totals:	111100 (Gal)	55.55 (Gal)	111.1 (Gal)	111.1 (Gal)	55.55 (Gal)	111.1 (lbm)

Gelled Acid (15% HCL)			
Volume	Corrosion Inhibitor	Surfactant	Gelling Agent
7000 (Gal)	HAI-OS	losurf-360w	SGA-V
Totals:	14 (Gal)	7 (Gal)	35 (Gal)

15% ZCA			
Volume	Base Fluid	Corrosion Inhibitor	Surfactant
4000 (Gal)	HCL Acid	HAI-OS	losurf-360w
Totals:	4000 (Gal)	8 (Gal)	4 (Gal)

15# Delta Frac 140								
Volume	Base Fluid	Biocide	Surfactant	Breaker	Breaker	Clay Control	Activator	Scale Control Additive
112100 (Gal)	Fresh Water*	BE-9	losurf-360w	Optiflo HTE	HPH Breaker	CLA-Web	SUPERSET W	Scalechek® Scp-2 Scale Inhibitor
Totals:	112100 (Gal)	56.05 (Gal)	112.1 (Gal)	112.1 (lbm)	1.12 (Gal)	56.05 (Gal)	206 (Gal)	299.99 (lbm)

JOB TOTALS								
Volume (Gal)	Corrosion Inhibitor (Gal)	Surfactant (Gal)	Base Fluid (Gal)	Biocide (Gal)	Friction Reducer (Gal)	Clay Control (Gal)	Breaker (lbm)	Gelling Agent (Gal)
26	HAI-OS	losurf-360w	Fresh Water*	BE-9	FR-66	CLA-Web	OptiKleen-WF	SGA-V
Base Fluid (Gal)	Breaker (lbm)	Breaker (Gal)	Activator (Gal)	Scale Control Additive (lbm)				
HCL Acid	Optiflo HTE	HPH Breaker	SUPERSET W	Scalechek® Scp-2 Scale Inhibitor				
4000	112.1	1.12	206	299.99				

Proppant		
	Designed Qty	Requested
CRC-30/50	51500 (lbm)	51500 (lbm)
Premium White-40/70	152500 (lbm)	152500 (lbm)
Common White-100 Mesh, SSA-2	46000 (lbm)	46000 (lbm)

Customer Supplied Items *			
	Designed Qty	Tank Bottom	Requested w/ Tank Bottom
Fresh Water	223200 Gal	0 Gal	223200 Gal

Note: Actual breaker & breaker concentrations to be determined through lab testing.

All fluids to be gelled "ON THE FLY".

Apply 500 psi to 3-1/2" by 5-1/2" annulus (monitor annulus during frac – keep annulus pressure below 750 psi).

This job will be tagged using radioactive tracers.

Stage 1

1-Stage Frac

Well Name	Maljamar 10 Fed	Slick Water	111100 Gal
Job Name	1-Stage Frac	15% HCl Acid	2000 Gal
No. of Perfs/Jets	31	Gelled Acid (15% HCL)	7000 Gal
Estimated Pump Time	2.47 hrs	15% ZCA	4000 Gal
BHST	125 degF	15# Delta Frac 140	112100 Gal
		Common White-100	46000 lbm
		Mesh, SSA-2	
		Premium White-40/70	152500 lbm
		CRC-30/50	51500 lbm

Frac the Paddock interval via 5-1/2" casing at 40 bpm with an anticipated wellhead treating pressure of 6,000 psi. Use the following schedule:

Casing (Surface)								
Trt Stage	Stage Desc	Flow Path	Fluid Desc	Rate Liq+Prop	Clean Vol	Proppant	Proppant Conc	Prop Mass
1-1	Breakdown	IN	Slick Water	20	1000		0	0
1-2	Acid Spearhead	IN	15% HCl Acid	40	2000		0	0
1-3	Spacer	IN	Slick Water	40	1000		0	0
1-4	Acid	IN	Gelled Acid (15% HCL)	40	1000		0	0
1-5	Acid	IN	15% ZCA	40	4000		0	0
1-6	Acid	IN	Gelled Acid (15% HCL)	40	6000		0	0
1-7	Pad	IN	Slick Water	40	10000		0	0
1-8	Proppant Laden Fluid	IN	Slick Water	40	4000	Common White-100 Mesh, SSA-2	0.25	1000
1-9	Pad	IN	Slick Water	40	10000		0	0
1-10	Proppant Laden Fluid	IN	Slick Water	40	7500	Common White-100 Mesh, SSA-2	0.4	3000
1-11	Pad	IN	Slick Water	40	10000		0	0
1-12	Proppant Laden Fluid	IN	Slick Water	40	7500	Common White-100 Mesh, SSA-2	0.8	6000
1-13	Pad	IN	Slick Water	40	10000		0	0
1-14	Proppant Laden Fluid	IN	Slick Water	40	12000	Common White-100 Mesh, SSA-2	1	12000
1-15	Pad	IN	Slick Water	40	12000		0	0
1-16	Proppant Laden Fluid	IN	Slick Water	40	24000	Common White-100 Mesh, SSA-2	1	24000
1-17	Pad	IN	15# Delta Frac 140	40	10000		0	0
1-18	Proppant Laden Fluid	IN	15# Delta Frac 140	40	15000	*Premium White-40/70	1	15000
1-19	Proppant Laden Fluid	IN	15# Delta Frac 140	40	15000	*Premium White-40/70	1.5	22500
1-20	Proppant Laden Fluid	IN	15# Delta Frac 140	40	27500	*Premium White-40/70	2	55000
1-21	Proppant Laden Fluid	IN	15# Delta Frac 140	40	24000	*Premium White-40/70	2.5	60000
1-22	Proppant Laden Fluid	IN	15# Delta Frac 140	40	20600	**CRC-30/50	2.5	51500
1-23	Flush	IN	Slick Water	40	2100		0	0
Totals					236200			250000

*Pump 300 lb of SCP-2 during 40/70 sand

**Run 10 gal/Mgal Superset-W in CRC Sand Stage.

Flush volume to be determined on location.

Fluid Details - Stage 1

1-Stage Frac

Slick Water						
Volume (Gal)	Base Fluid	Biocide (gal/Mgal)	Surfactant (gal/Mgal)	Friction Reducer (gal/Mgal)	Clay Control (gal/Mgal)	Breaker (lbm/Mgal)
111,100	Fresh Water *	BE-9	losurf-360w	FR-66	CLA-Web	OptiKleen-WF
0 - 111,100		0.5	1	1	0.5	1

15% HCl Acid			
Volume (Gal)	Base Fluid	Corrosion Inhibitor (gal/Mgal)	Surfactant (gal/Mgal)
2000	HCL Acid	HAI-OS	losurf-360w
0 - 2000		2	1

Gelled Acid (15% HCL)				
Volume (Gal)	Base Fluid	Corrosion Inhibitor (gal/Mgal)	Surfactant (gal/Mgal)	Gelling Agent (gal/Mgal)
7000	HCL Acid	HAI-OS	losurf-360w	SGA-V
0 - 7000		2	1	5

15% ZCA			
Volume (Gal)	Base Fluid	Corrosion Inhibitor (gal/Mgal)	Surfactant (gal/Mgal)
4000	HCL Acid	HAI-OS	losurf-360w
0 - 4000		2	1

15# Delta Frac 140								
Volume (Gal)	Base Fluid	Biocide (gal/Mgal)	Surfactant (gal/Mgal)	Breaker (lbm/Mgal)	Breaker (gal/Mgal)	Clay Control (gal/Mgal)	Activator (gal/Mgal)	Scale Control Additive (lbm/Mgal)
	Fresh Water *	BE-9	losurf-360w	Optiflo HTE	HPH Breaker	CLA-Web	SUPERSET W	Scalechek® Scp-2 Scale Inhibitor
0 - 10000		0.5	1	1	0.01	0.5	0	0
10000 - 91500		0.5	1	1	0.01	0.5	0	2.9382
91500 - 112100		0.5	1	1	0.01	0.5	10	2.9382
112100 - 112100								

* Customer Supplied

Maljamar 10 Federal 1
30-025-35317
Devon Energy Production Co., LP
December 16, 2013
Conditions of Approval

Notify BLM at 575-393-3612 a minimum of 24 hours prior to MIT.

Work to be completed by March 16, 2014.

Plug back procedure:

1. Operator will be required to place a CIPB between the Abo shale perforations and Wolfcamp perforations.
2. A CIPB cap with 35' of cement shall be place 50' to 100' above the Abo perforations and to be tag and witness by a BLM inspector.
3. A 176' balance plug across the Top of Abo at 7640'
4. A 164' balance plug across the DV tool at 6382'
- 5. Must conduct a casing integrity test to maximum treating pressure before any perforating or fracturing can be done. Submit results to BLM.**
6. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
7. Surface disturbance beyond the originally approved pad must have prior approval.
8. Closed loop system required.
9. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
10. Operator to have H2S monitoring equipment on location.

11. A minimum of a 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

12. Subsequent sundry required detailing work done and completion report with the new formation. The completion report shall include production from each formation. Operator to include well bore schematic of current well condition when work is complete.

We are now required to follow a new Instruction Memorandum (IM) No. 2013-152 dated July 3, 2013 from our Washington Office for reviewing requests for surface and **downhole commingling** of Oil and Gas production from Federal Leases. (Google BLM (IM) No. 2013-152)

http://www.blm.gov/wo/st/en/info/regulations/Instruction_Memos_and_Bulletins/national_instruction/2013/im_2013-152_commingling.html

After detailed review of this IM, the Carlsbad Filed Office has developed procedures to meet the requirements stated in the IM.

Attached is a copy of the procedures, if the operator desires to downhole commingling you will be required to provide all the information in this procedure.

JAM 121613