API Well Number: 43013518440000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
MECHAM #3-1B2

2. TYPE OF WORK
DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
BLUEBELL

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
DEVON ENERGY PROD CO LP

7. OPERATOR PHONE
405 228-4248

8. ADDRESS OF OPERATOR
P.O. Box 290 , Neola, UT, 84053

9. OPERATOR E-MAIL
patti.riechers@dvn.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
ML- 22871

11. MINERAL OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ● FEE ○

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ○ FEE ●

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
Mark D. & Patsy Mecham

14. SURFACE OWNER PHONE (if box 12 = 'fee')
435-823-3104

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
RR 1, Box 1653, Roosevelt, UT 84066

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ●

19. SLANT
VERTICAL ● DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1498 FSL 1079 FEL	NESE	1	2.0 S	2.0 W	U
Top of Uppermost Producing Zone	1498 FSL 1079 FEL	NESE	1	2.0 S	2.0 W	U
At Total Depth	1498 FSL 1079 FEL	NESE	1	2.0 S	2.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
1079

23. NUMBER OF ACRES IN DRILLING UNIT
640

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
2995

26. PROPOSED DEPTH
MD: 13200 TVD: 13200

27. ELEVATION - GROUND LEVEL
5267

28. BOND NUMBER
71S100753026-70

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
Ballard City Municipal Water

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	9.625	0 - 2500	40.0	N-80 LT&C	10.0	Class G	1015	1.15	14.6
I1	8.75	7	0 - 10200	29.0	P-110 Other	10.5	Class G	615	2.52	11.5
							Class G	251	1.65	13.0
PROD	6.125	5	10000 - 13200	18.0	P-110 Other	14.5	Class G	114	2.3	15.8

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
☑ TOPOGRAPHICAL MAP

NAME Julie Patrick | **TITLE** Regulatory Analyst | **PHONE** 405 228-8684

SIGNATURE | **DATE** 11/02/2012 | **EMAIL** julie.patrick@dvn.com

API NUMBER ASSIGNED
43013518440000

APPROVAL
Permit Manager

RECEIVED: February 06, 2013

Devon Energy Production Co., LP

Mecham 3-1B2
Sec 1 T2S R2W
DUCHESNE County, UT
SHL: 1498' FSL; 1079' FEL
GL 5267'; KB 5289'
Fee Lease

DRILLING PLAN

This will be a vertically drilled well with surveys taken every 500' while drilling and submitted to the state.

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS, OR MINERAL FORMATIONS

Formation	Depth TVD	Depth TMD	Hydrocarbon/Water
Shallow Sand	1,500'	1,500'	water/brine
Upper Green River	6,025'	6,025'	
Lower Green River	8,984'	8,984'	Oil/Gas
Wasatch	10,239'	10,239'	Oil/Gas
Proposed TD	13,200'	13,200'	

2. PRESSURE CONTROL EQUIPMENT:

All well control equipment for 5M and 10M systems shall be in accordance with state of Utah regulatory agencies. 3M, 5M, and 10M systems used will at minimum meet the requirements of the BLM 43 CFR 3160 (Vol. 53, No. 223) – onshore oil and gas order No. 2, Drilling Operations.

- **From surface to 2,500':**
  Diverter (rotating head) on structural pipe; (ability to handle water flow)
- **From 2,500' to 10,200':**
  5M system: annular; 2 pipe rams and 1 blind ram; drilling spool with choke & kill line; 2 choke line valves and 2 kill line valves; 2 chokes with one being a remotely controlled hydraulic choke
- **From 10,200' to 13,200':**
  10M system: annular; 2 pipe rams and 1 blind ram; drilling spool with choke & kill line; 2 choke line valves (maual & hydraulic) and 2 kill line valves; 3 chokes with one being a remotely controlled hydraulic choke

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure when a test plug is used and if a test plug is not used to 70% of the minimum internal yield pressure of the casing.

The testing frequency will be as follows:

- Prior to drilling out of surface(5M test) and intermediate(10M test) casing
- Initial installation
- Whenever any seal subject to test pressure is broken
- Following related repairs
- At 21 day intervals

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The annular preventer will be pressure tested to 50 percent of the rated working pressure. All pressure tests shall be maintained at least ten minutes or until provisions of test are met, whichever is longer.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip.

A BOPE pit level drill will be conducted weekly for each drilling crew.

All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to open the HCR valve, close all rams plus the annular preventer, and retain 200 psi above pre-charge pressure without the use of closing unit pumps. The system will have two independent power sources to close the preventers in accordance with 5M & 10M system requirements.

Remote controls shall be readily accessible to the driller. Master controls will be at the accumulator.

3. CASING & CEMENTING PROGRAM:

A. The proposed casing program will be as follows:

Hole Size	Size	Grade	Thread	Weight	Setting Depth(MD)
12 ¼"	9 5/8"	N-80	LTC	40.0	2,500'
8 3/4"	7"	P-110EC	BTC	29.0	10,200'
6 1/8"	5"	P-110EC	STL	18.0	10,000' – 13,200'

B. The proposed cementing program is as follows:

9 5/8" – single stage cemented to surface:
Single fluid: Class G, 14.6#, Yield-1.15, 1,015 sacks w/ additives to surface. A top job will be done if cement does not circulate to surface.
7" - Single stage cemented to surface:
Lead: Class G, 11.5#, Yield-2.52, 615 sacks w/ additives, top at surface
Tail: Class G, 13.0#, Yield-1.65, 251 sacks w/ additives, top at 8,000'
5" - Single stage cemented to liner top:
Slurry: Class G, 15.8#, Yield-2.30, 114 sacks w/ additives, top at 10,000'

Specific additives, percentages, composition to be determined once reservoir/formation conditions are further identified and confirmed during drilling operations

All casing strings below the conductor shall be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% minimum internal yield.

The bottom three joints of the surface casing will have one centralizer per joint and one centralizer every third joint thereafter up to designed total

Remedial Cementing will be performed on the surface casing if the cement does not reach surface.

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The bottom three joints of the intermediate casing will have one centralizer per joint and then one centralizer every third joint thereafter up to designed total

The production liner will be centralized every other joint

All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

4. DRILLING FLUIDS PROGRAM:

Interval	Type	Mud Weights
Surface	Aerated/Water System	8.5 – 10.0
Intermediate	Water Based System	10.0 – 10.5
Production	Water Based System	13.5 – 14.5

Sufficient quantities of mud material/inventory will be maintained on site or be readily accessible for the purpose of assuring well control. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations. Higher mud weights may be required for specific well control matters as well as running logs/casing.

5. EVALUATION PROGRAM:

Logs: Array Induction-GR-SP-Cal: bottom of curve to surface casing
Cross Dipole Sonic: bottom of curve to surface casing

Samples: 30' samples surface casing to TD. Dry cut to Devon geologist

Cores: None anticipated.

DST's: None anticipated.

6. ABNORMAL CONDITIONS:

Overpressured conditions @ TD may be encountered with a maximum bottomhole pressure of approximately 9,953 psi.

Maximum anticipated surface pressure for intermediate hole (TD at 10,200 w/ 10.5 ppg EMW) is estimated to be approximately 3,325 psi.

Maximum anticipated surface pressure for production hole (TD at 13,200' w/ 14.5 ppg EMW) is estimated to be approximately 7,049 psi.

Estimated surface pressure's calculated evacuating hole to .22 psi/ft equivalent

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7. OTHER INFORMATION:

If the well is completed as a dry hole or as a producer, well completion or recompletion report and log(s) will be submitted within 30 days after completion of the well or after completion of operations being performed. Copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, daily drilling reports, daily completion reports, and all other surveys or data obtained and compiled during the drilling, completion, and/or workover operations, will be submitted to designated authority/agency.

8. Additional Request

Operator requests Confidential Status for this well.

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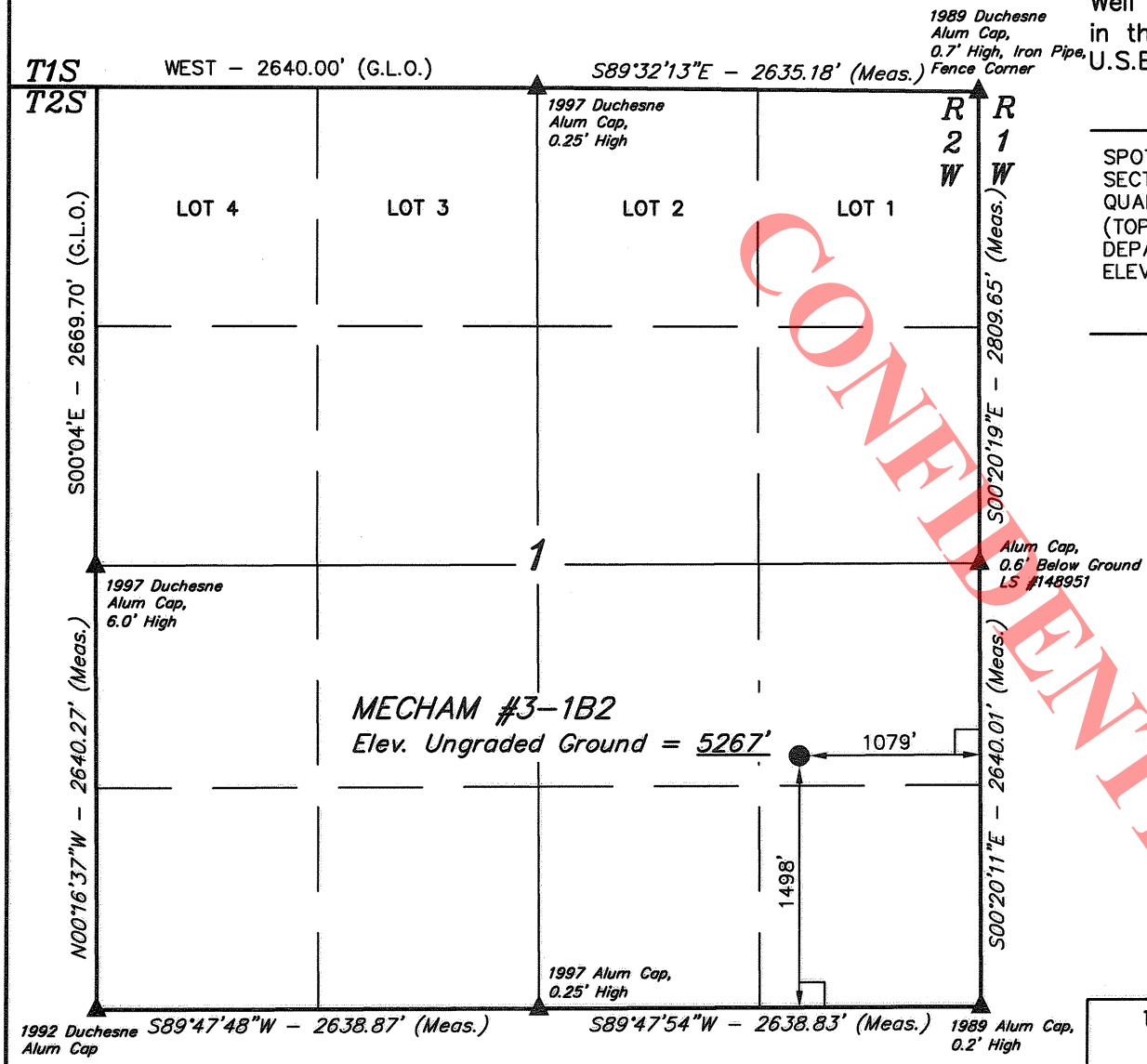
T2S, R2W, U.S.B.&M.

DEVON ENERGY PRODUCTION COMPANY, L.P.

Well location, MECHAM #3-1B2, located as shown in the NE 1/4 SE 1/4 of Section 1, T2S, R2W, U.S.B.&M., Duchesne County, Utah.

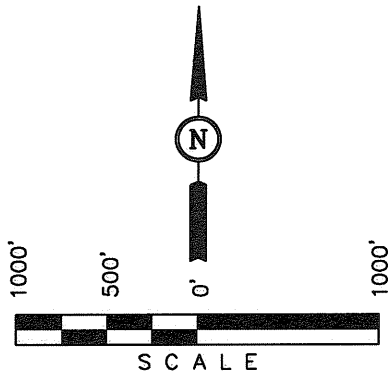


BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

08-24-12

CONFIDENTIAL

LEGEND:

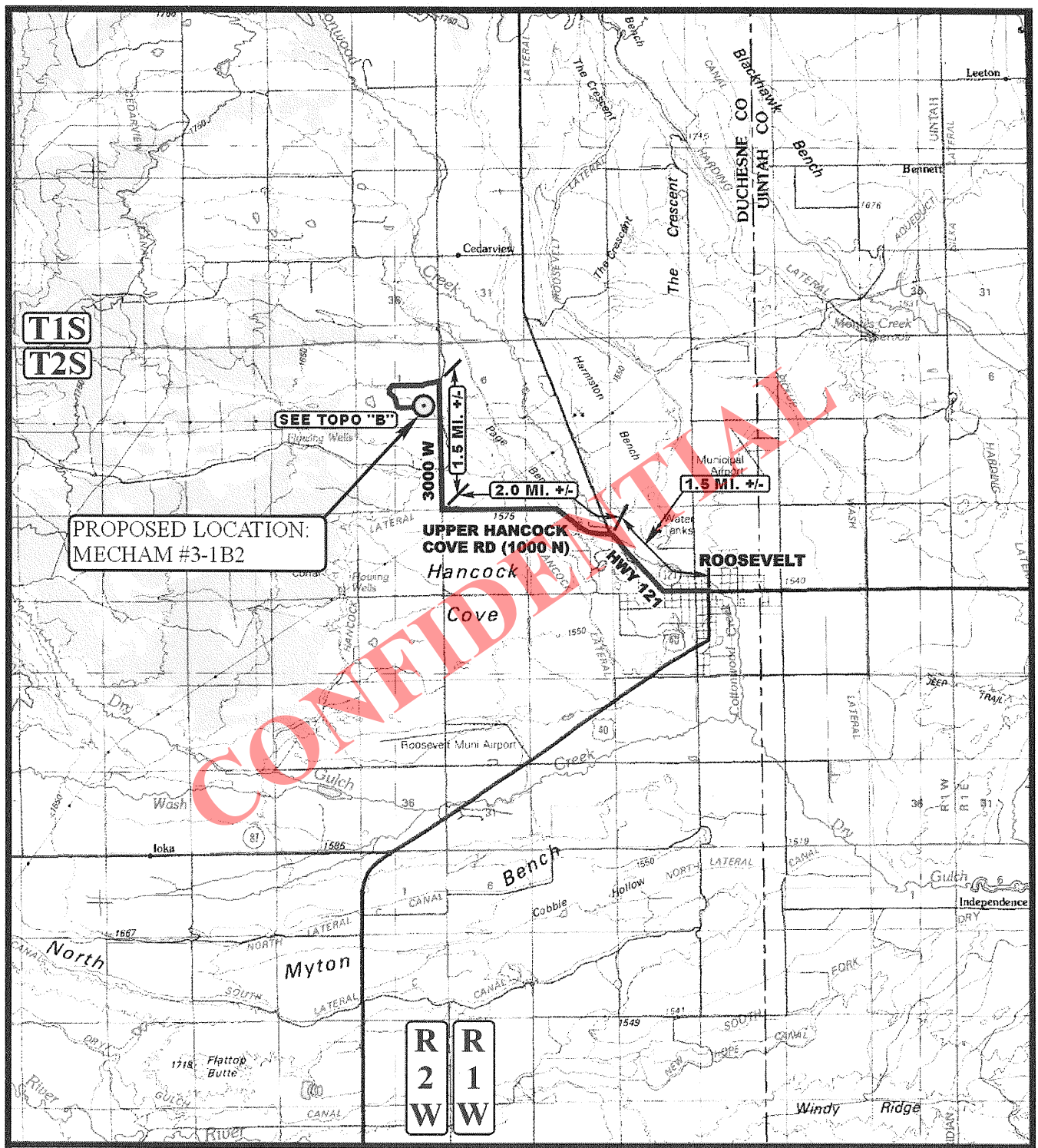
- ∟ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 40°20'05.01" (40.334725)
LONGITUDE	= 110°03'08.52" (110.052367)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 40°20'05.17" (40.334769)
LONGITUDE	= 110°03'05.98" (110.051661)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 08-14-12	DATE DRAWN: 08-22-12
PARTY: C.R. J.F. G.M. K.O.	REFERENCES: G.L.O. PLAT	
WEATHER: HOT	FILE: DEVON ENERGY PRODUCTION COMPANY, L.P.	

API Well Number: 43013518440000



LEGEND:

⊙ PROPOSED LOCATION

N

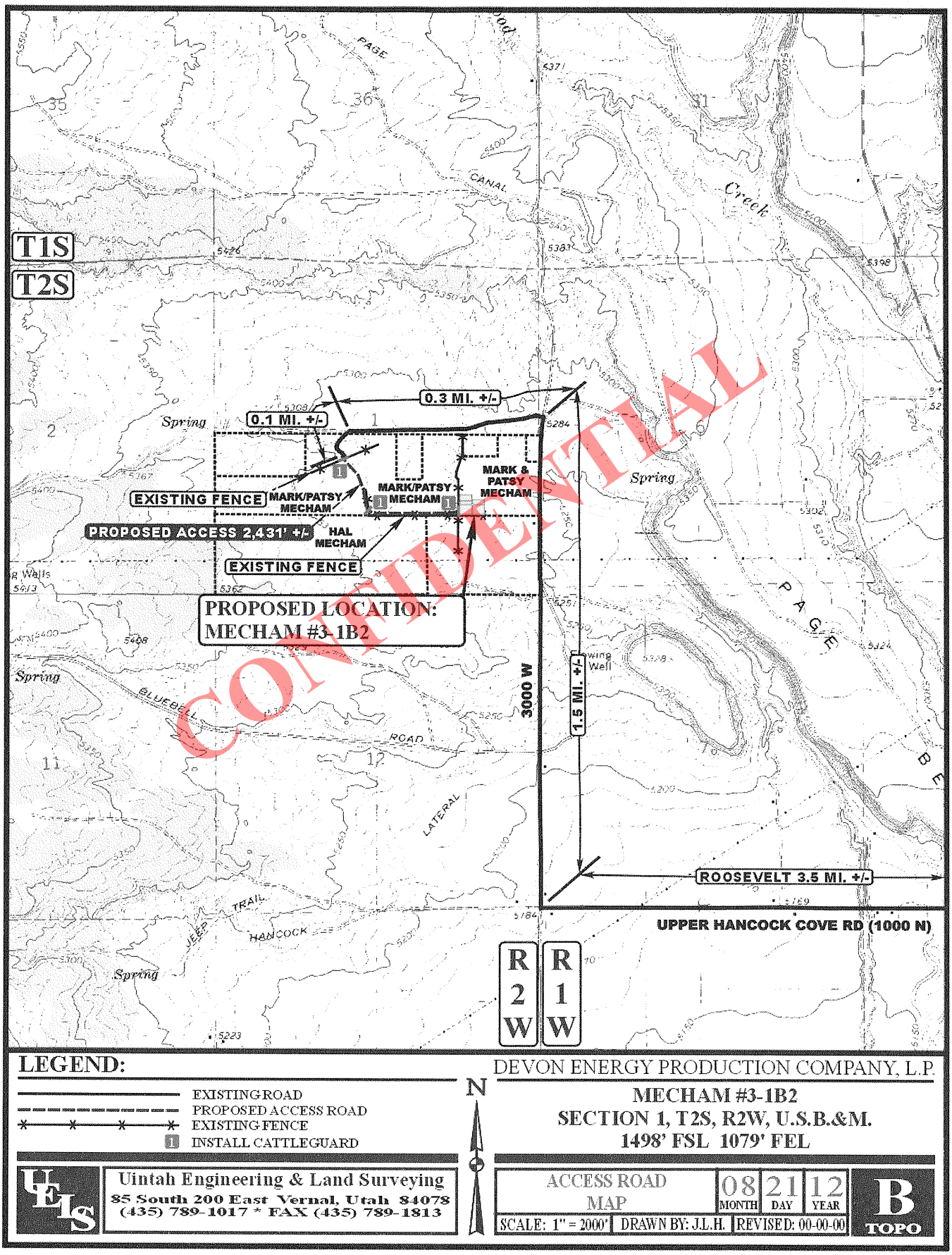
DEVON ENERGY PRODUCTION COMPANY, L.P.

MECHAM #3-1B2
SECTION 1, T2S, R2W, U.S.B.&M.
1498' FSL 1079' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	08 MONTH	21 DAY	12 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: J.L.H.	REVISED: 00-00-00		

RECEIVED: November 02, 2012



LEGEND:

EXISTING ROAD
PROPOSED ACCESS ROAD
EXISTING FENCE
I INSTALL CATTLEGUARD

N

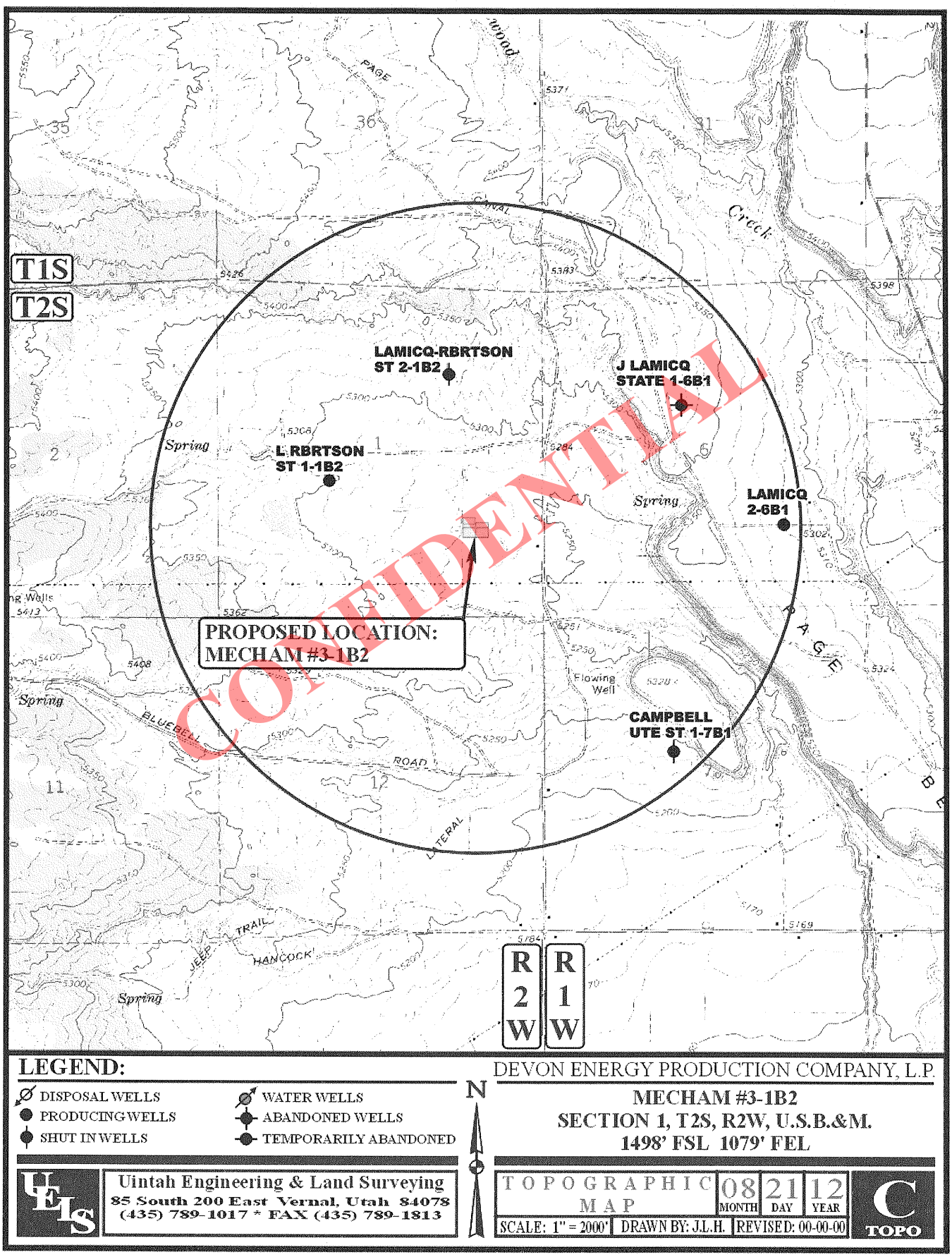
DEVON ENERGY PRODUCTION COMPANY, L.P.

MECHAM #3-1B2
SECTION 1, T2S, R2W, U.S.B.&M.
1498' FSL 1079' FEL

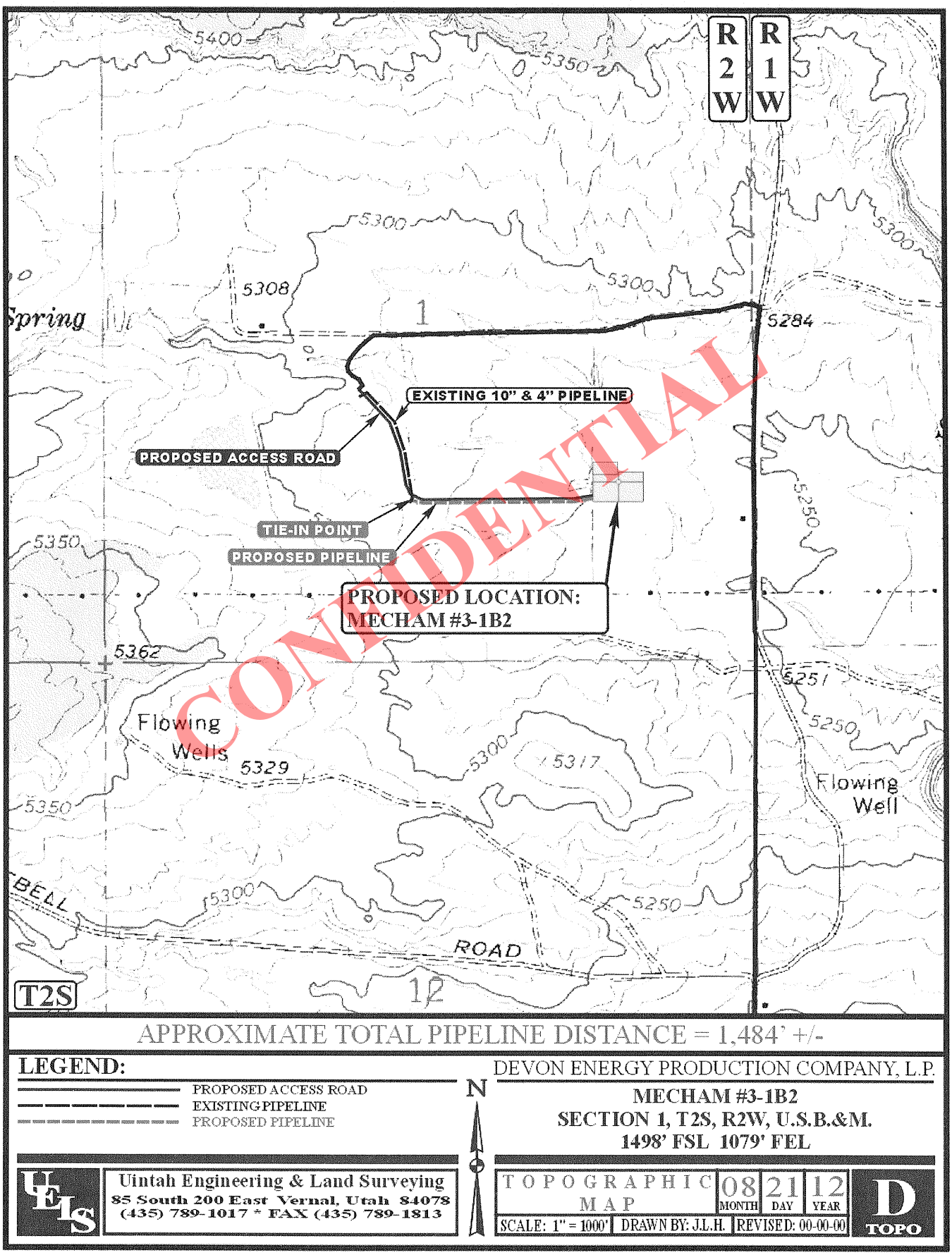
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	08 MONTH	21 DAY	12 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: J.L.H.	REVISED: 00-00-00		

RECEIVED: November 02, 2012



RECEIVED: November 02, 2012



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,484' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

DEVON ENERGY PRODUCTION COMPANY, L.P.

MECHAM #3-1B2
SECTION 1, T2S, R2W, U.S.B.&M.
1498' FSL 1079' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	08 MONTH	21 DAY	12 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: J.L.H.	REVISED: 00-00-00		

RECEIVED: November 02, 2012

DEVON ENERGY PRODUCTION COMPANY, L.P.

MECHAM #3-1B2

LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 1, T2S, R2W, U.S.B.&M.

PHOTO: VIEW OF LOCATION STAKE — CAMERA ANGLE: SOUTHERLY

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS — CAMERA ANGLE: SOUTHEASTERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	08 MONTH	21 DAY	12 YEAR	PHOTO
TAKEN BY: J.F.	DRAWN BY: J.L.H.	REVISED: 00-00-00		

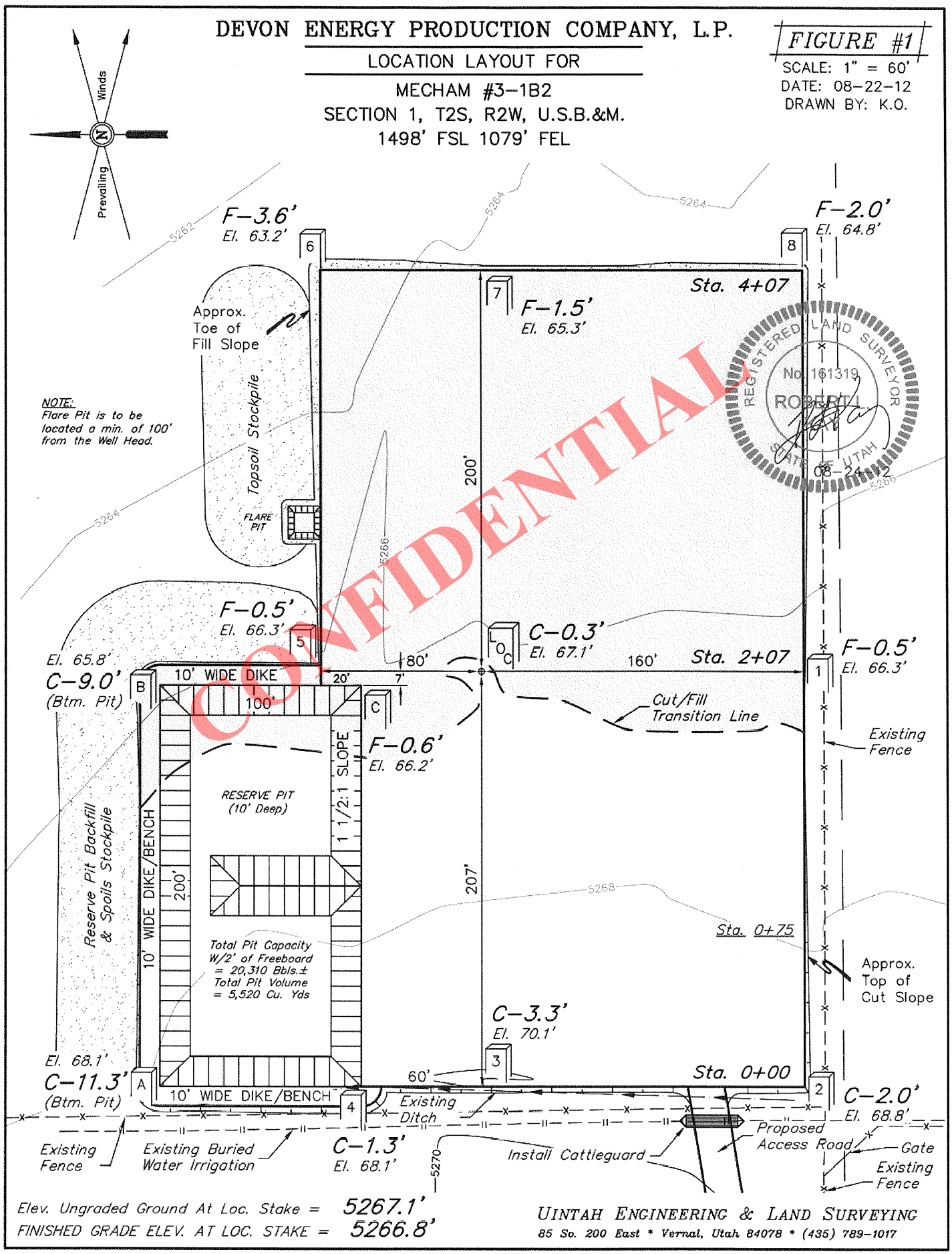
RECEIVED: November 02, 2012

DEVON ENERGY PRODUCTION COMPANY, L.P.

LOCATION LAYOUT FOR

MECHAM #3-1B2
SECTION 1, T2S, R2W, U.S.B.&M.
1498' FSL 1079' FEL

FIGURE #1
SCALE: 1" = 60'
DATE: 08-22-12
DRAWN BY: K.O.



Elev. Ungraded Ground At Loc. Stake = 5267.1'
FINISHED GRADE ELEV. AT LOC. STAKE = 5266.8'

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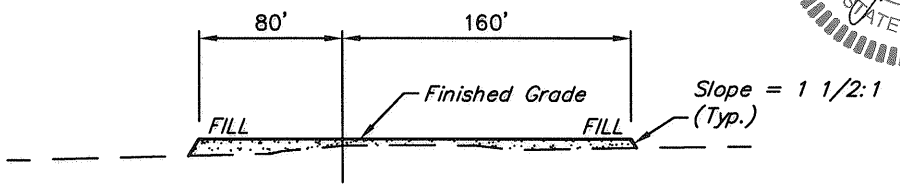
FIGURE #2

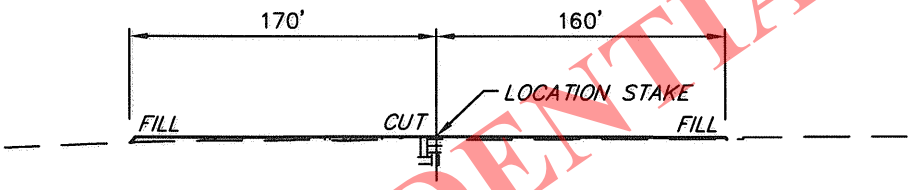
TYPICAL CROSS SECTIONS FOR
MECHAM #3-1B2
SECTION 1, T2S, R2W, U.S.B.&M.
1498' FSL 1079' FEL

1" = 40'
X-Section Scale
1" = 100'
DATE: 08-22-12
DRAWN BY: K.O.

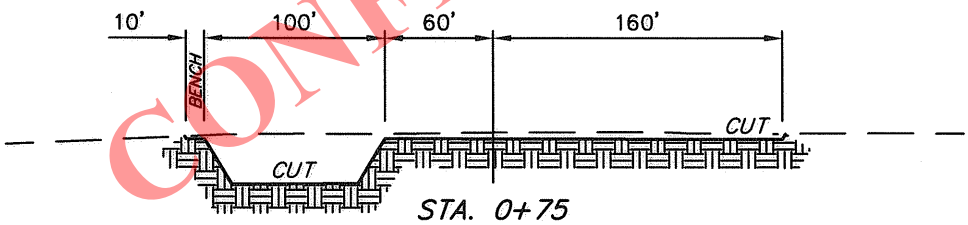
REGISTERED LAND SURVEYOR
No. 161319
ROBERT L.
STATE OF UTAH
08-24-12



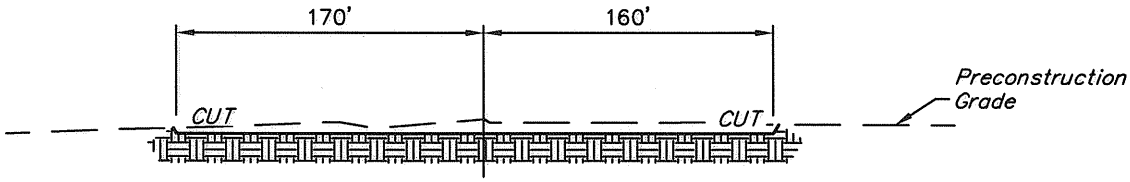
STA. 4+07



STA. 2+07



STA. 0+75



STA. 0+00

NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 4.242 ACRES
ACCESS ROAD DISTURBANCE = ± 1.653 ACRES
PIPELINE DISTURBANCE = ± 1.001 ACRES
TOTAL = ± 6.896 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	2,250 Cu. Yds.
Remaining Location	=	6,890 Cu. Yds.
TOTAL CUT	=	9,140 CU. YDS.
FILL	=	4,130 CU. YDS.

EXCESS MATERIAL	=	5,010 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	5,010 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

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DEVON ENERGY PRODUCTION COMPANY, L.P.

TYPICAL RIG LAYOUT FOR

MECHAM #3-1B2
SECTION 1, T2S, R2W, U.S.B.&M.
1498' FSL 1079' FEL

FIGURE #3
SCALE: 1" = 60'
DATE: 08-22-12
DRAWN BY: K.O.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L.
STATE OF UTAH
08-24-12

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Approx. Toe of Fill Slope
Topsoil Stockpile
FLARE PIT
DATA
200'
CATWALK
PIPE RACKS
80'
DOG HOUSE
160'
RIG
20'
7'
10' WIDE DIKE
100'
MUD TANKS
WATER
Cut/Fill Transition Line
TRAILER
PUMP
TOILET
MUD SHED
HOPPER
FUEL
POWER
TOOLS
FUEL
207'
SLOPE
1 1/2:1
RESERVE PIT (10' Deep)
10' WIDE DIKE/BENCH
200'
Reserve Pit Backfill & Spoils Stockpile
Total Pit Capacity W/2' of Freeboard = 20,310 Bbls.±
Total Pit Volume = 5,520 Cu. Yds
TRASH
60'
STORAGE TANK
10' WIDE DIKE/BENCH
Approx. Top of Cut Slope
Proposed Access Road
5262
5264
5266
5268
5270

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

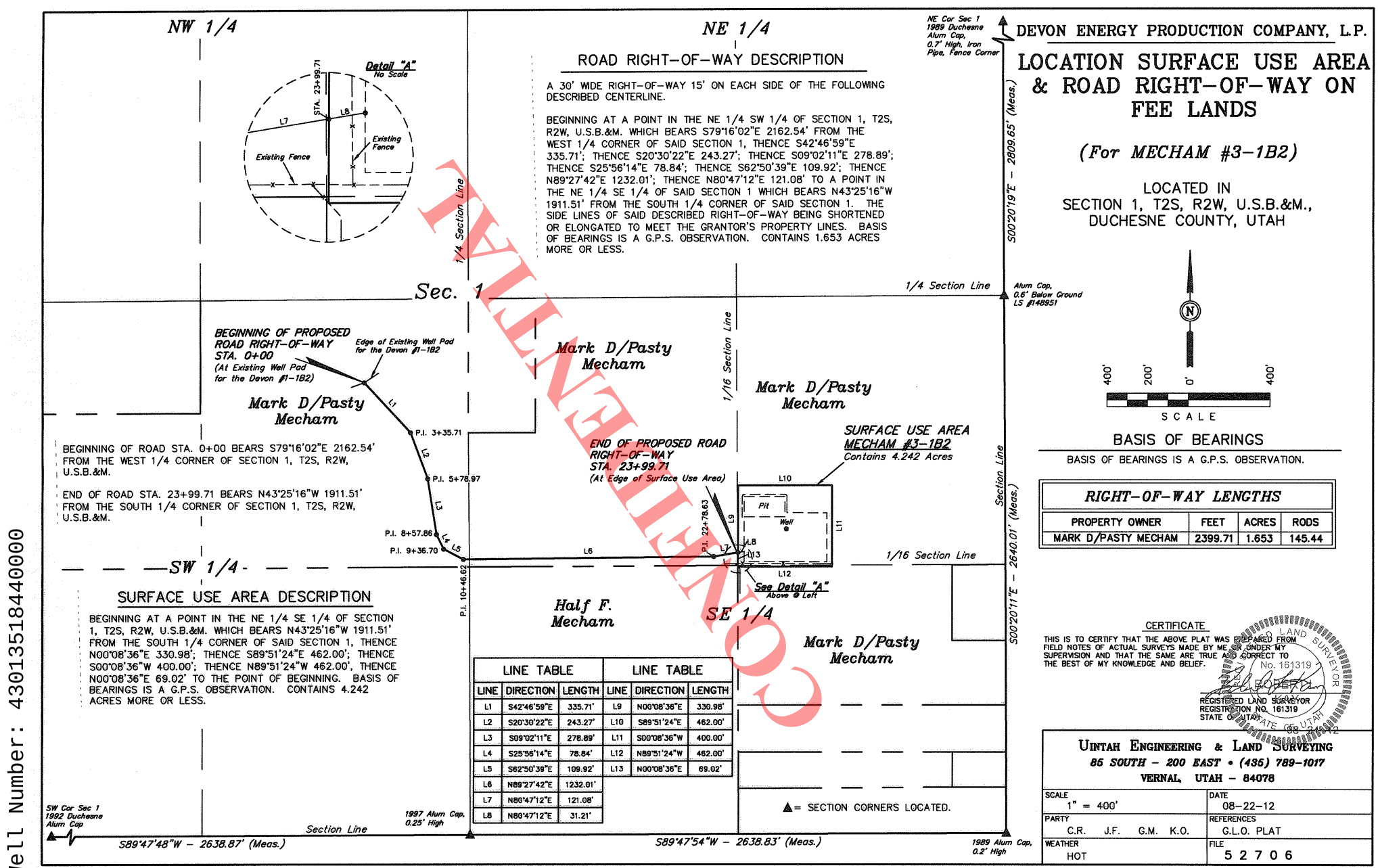
RECEIVED: November 02, 2012

DEVON ENERGY PRODUCTION COMPANY, L.P.

LOCATION SURFACE USE AREA & ROAD RIGHT-OF-WAY ON FEE LANDS

(For MECHAM #3-1B2)

LOCATED IN
SECTION 1, T2S, R2W, U.S.B.&M.,
DUCHESNE COUNTY, UTAH



BEGINNING OF ROAD STA. 0+00 BEARS S79°16'02"E 2162.54' FROM THE WEST 1/4 CORNER OF SECTION 1, T2S, R2W, U.S.B.&M.

END OF ROAD STA. 23+99.71 BEARS N43°25'16"W 1911.51' FROM THE SOUTH 1/4 CORNER OF SECTION 1, T2S, R2W, U.S.B.&M.

ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 SW 1/4 OF SECTION 1, T2S, R2W, U.S.B.&M. WHICH BEARS S79°16'02"E 2162.54' FROM THE WEST 1/4 CORNER OF SAID SECTION 1, THENCE S42°46'59"E 335.71'; THENCE S20°30'22"E 243.27'; THENCE S09°02'11"E 278.89'; THENCE S25°56'14"E 78.84'; THENCE S62°50'39"E 109.92'; THENCE N89°27'42"E 1232.01'; THENCE N80°47'12"E 121.08' TO A POINT IN THE NE 1/4 SE 1/4 OF SAID SECTION 1 WHICH BEARS N43°25'16"W 1911.51' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 1. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.653 ACRES MORE OR LESS.

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NE 1/4 SE 1/4 OF SECTION 1, T2S, R2W, U.S.B.&M. WHICH BEARS N43°25'16"W 1911.51' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 1, THENCE N00°08'36"E 330.98'; THENCE S89°51'24"E 462.00'; THENCE S00°08'36"W 400.00'; THENCE N89°51'24"W 462.00', THENCE N00°08'36"E 69.02' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.242 ACRES MORE OR LESS.

LINE TABLE			LINE TABLE		
LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L1	S42°46'59"E	335.71'	L9	N00°08'36"E	330.98'
L2	S20°30'22"E	243.27'	L10	S89°51'24"E	462.00'
L3	S09°02'11"E	278.89'	L11	S00°08'36"W	400.00'
L4	S25°56'14"E	78.84'	L12	N89°51'24"W	462.00'
L5	S62°50'39"E	109.92'	L13	N00°08'36"E	69.02'
L6	N89°27'42"E	1232.01'			
L7	N80°47'12"E	121.08'			
L8	N80°47'12"E	31.21'			

▲= SECTION CORNERS LOCATED.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
MARK D/PASTY MECHAM	2399.71	1.653	145.44

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 400'	DATE 08-22-12
PARTY C.R. J.F. G.M. K.O.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE 52706

DEVON ENERGY PRODUCTION COMPANY, L.P.

PIPELINE RIGHT-OF-WAY ON FEE LANDS

(For MECHAM #3-1B2)

LOCATED IN
SECTION 1, T2S, R2W, U.S.B.&M.,
DUCHESNE COUNTY, UTAH

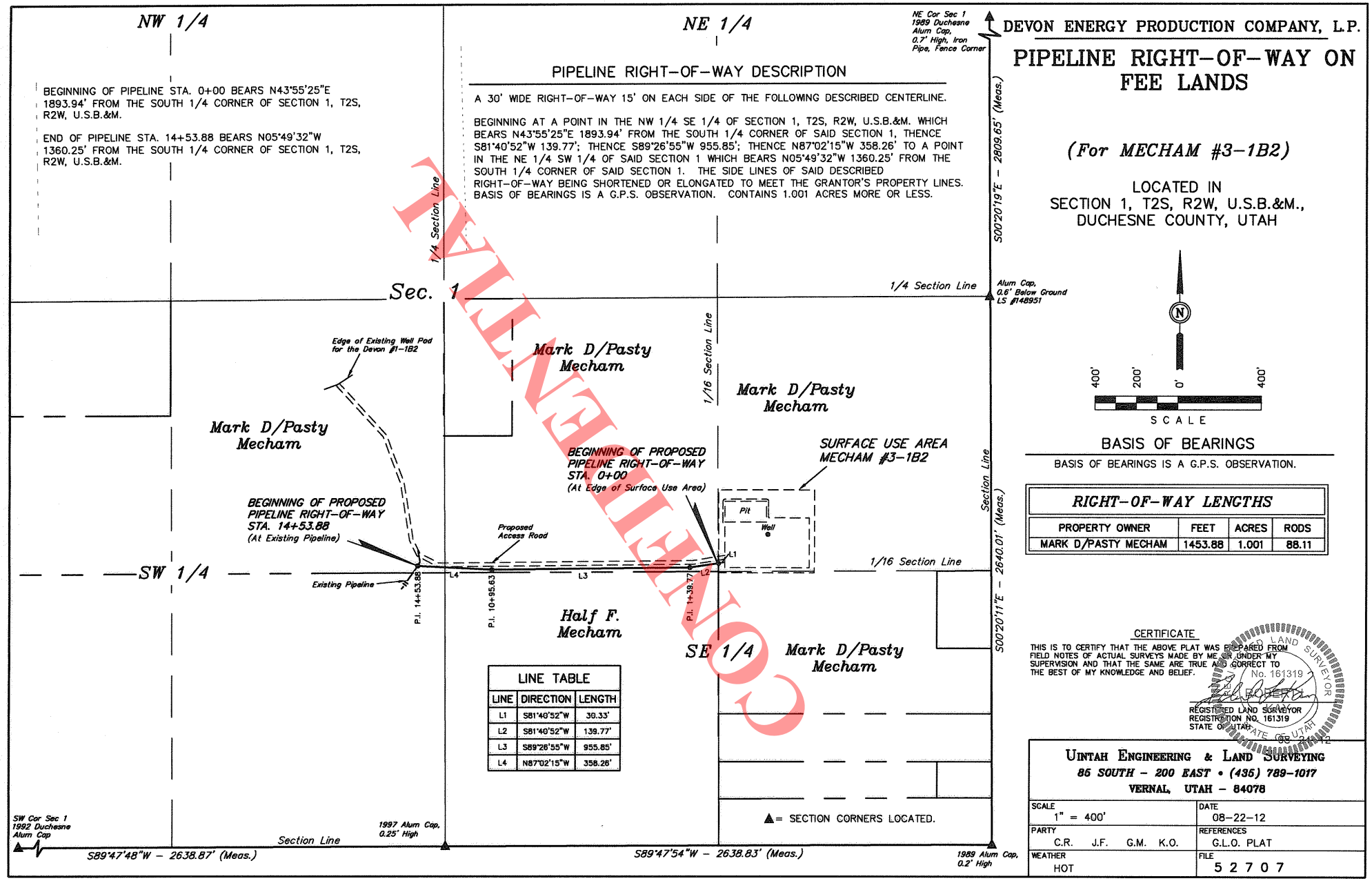
BEGINNING OF PIPELINE STA. 0+00 BEARS N43°55'25"E 1893.94' FROM THE SOUTH 1/4 CORNER OF SECTION 1, T2S, R2W, U.S.B.&M.

END OF PIPELINE STA. 14+53.88 BEARS N05°49'32"W 1360.25' FROM THE SOUTH 1/4 CORNER OF SECTION 1, T2S, R2W, U.S.B.&M.

PIPELINE RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 SE 1/4 OF SECTION 1, T2S, R2W, U.S.B.&M. WHICH BEARS N43°55'25"E 1893.94' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 1, THENCE S81°40'52"W 139.77'; THENCE S89°26'55"W 955.85'; THENCE N87°02'15"W 358.26' TO A POINT IN THE NE 1/4 SW 1/4 OF SAID SECTION 1 WHICH BEARS N05°49'32"W 1360.25' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 1. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.001 ACRES MORE OR LESS.



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S81°40'52"W	30.33'
L2	S81°40'52"W	139.77'
L3	S89°26'55"W	955.85'
L4	N87°02'15"W	358.26'

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
MARK D/PASTY MECHAM	1453.88	1.001	88.11

CERTIFICATE

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REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

STATE OF UTAH — LAND SURVEYOR — No. 161319 — REGISTERED

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 400'	DATE 08-22-12
PARTY C.R. J.F. G.M. K.O.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE 52707

DEVON ENERGY PRODUCTION L.P.

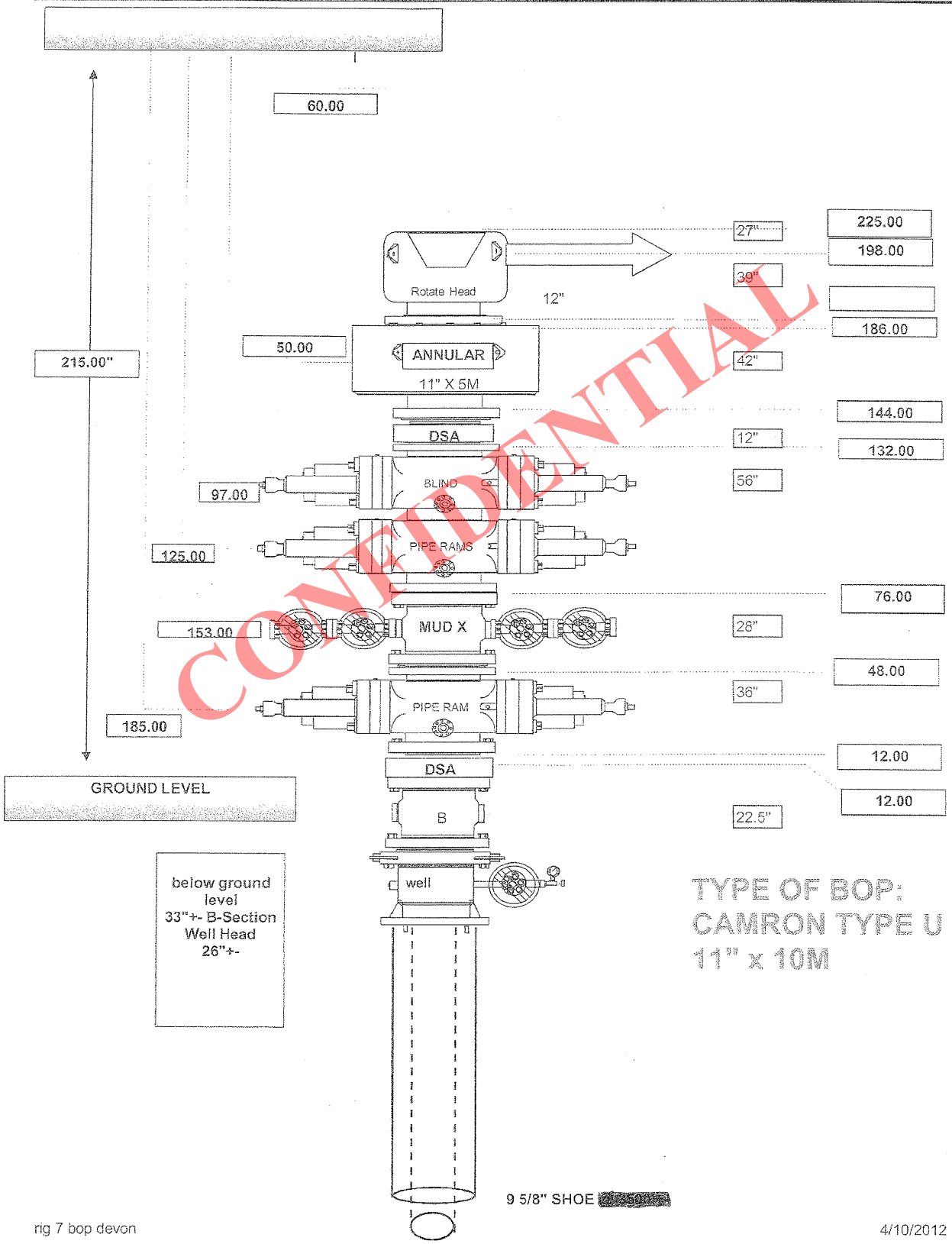
MECHAM #3-1B2
SECTION 1, T2S, R2W, U.S.B.&M.
DUCHESNE, UTAH

PROCEED IN A WESTERLY, THEN NORTHWESTERLY DIRECTION FROM ROOSEVELT, UTAH ALONG HIGHWAY 121 APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND UPPER HANCOCK COVE ROAD (1000 N) TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY, THEN NORTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND 3000 WEST TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.3 MILE TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILE TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 2,431' TO THE PROPOSED LOCATION.

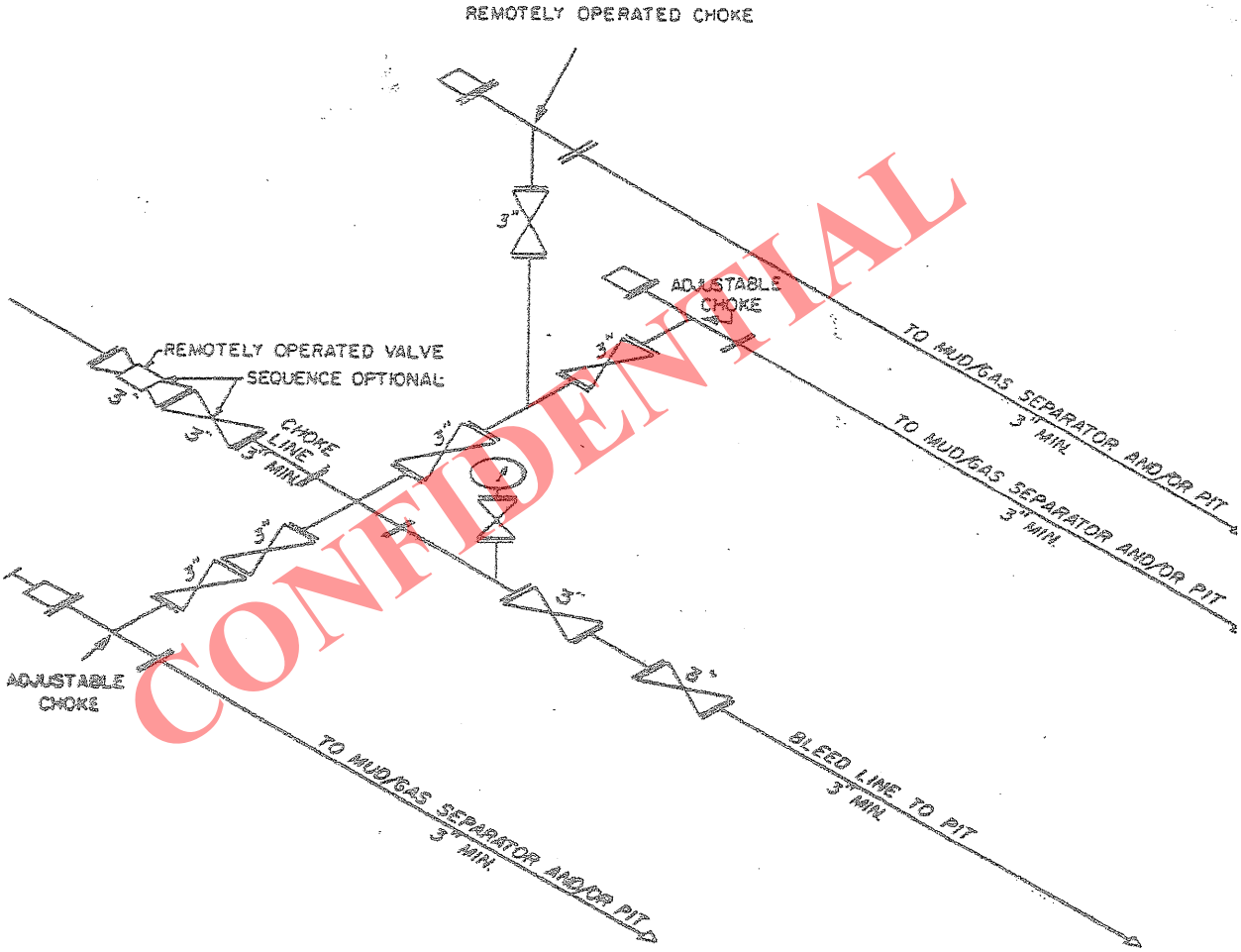
TOTAL DISTANCE FROM ROOSEVELT, UTAH TO THE PROPOSED LOCATION IS APPROXIMATELY 5.9 MILES.

RECEIVED: November 02, 2012

DEVON ENERGY	DRILLING PHASE dc 8 3/4" ~~9 7/8~~" HOLE SECTION BOP Stack Diagram	DATE: 6/3/12 Rig:Frontier Drilling Rig # 7



RECEIVED: November 02, 2012



① ② 10M AND 15M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, or 15M drawings, it would also be applicable to those situations.

[FR Doc. 88-28387 Filed 12-8-88; 8:45 am]

AFFIDAVIT OF SURFACE DAMAGE
AND RIGHT-OF-WAY
SETTLEMENT AGREEMENT
FOR WELLSITE, ROAD AND PIPELINE
DEVON ENERGY PRODUCTION COMPANY, L.P., OPERATOR
Mecham 3-1B2
Duchesne County, Utah

Ent 450664 Bk M387 Pg 261
Date: 04-OCT-2012 12:18:22PM
Fee: $14.00 Check
Filed By: JB
CAROLYNE MADSEN, Recorder
DUCHESNE COUNTY CORPORATION
For: DEVON ENERGY

STATE OF UTAH:

COUNTY OF DUCHESNE:

WHEREAS, the undersigned, Janet Wooldridge, (affiant), whose mailing address is Devon Energy Production Company, L.P., 333 West Sheridan Avenue, Oklahoma City, OK 73102, does hereby state the following facts:

That Devon Energy Production Company, L.P. entered into a Surface Damage and Right-of-Way Settlement Agreement dated September 19, 2012, for the drilling of the Mecham 3-1B2 well on surface lands owned by Mark D. Mecham and Patsy Mecham of RR 1 Box 1563, Roosevelt, UT 84066.

Lands covered by these Agreements include Section 1, Township 2 South, Range 2 West, USM, of Duchesne County, Utah.

NOW THEREFORE, the undersigned affiant, Janet Woolridge, of lawful age, states the above facts are true and correct to the best of her knowledge. Signed this 1st day of October, 2012.

Janet Wooldridge

Janet Wooldridge, CPL
Land Advisor
Devon Energy Production Company, L.P.
333 West Sheridan Avenue
Oklahoma City, Oklahoma 73102

STATE OF Oklahoma:

COUNTY OF Oklahoma:

On the 1st day of October, 2012, personally appeared before me Janet Wooldridge, who, being by me duly sworn, did state the she is a Land Advisor for Devon Energy Production Company, L.P. and that said instrument was signed on behalf of the corporation.

JO ANN KERRAN NOTARY PUBLIC STATE OF OKLAHOMA # 07000976 EXP. 01/26/15

Jo Ann Kerran
Notary Public

My Commission Expires:

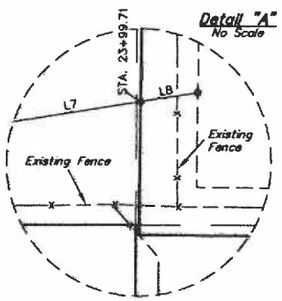
1/26/2015

DEVON ENERGY PRODUCTION COMPANY, L.P.

LOCATION SURFACE USE AREA & ROAD RIGHT-OF-WAY ON FEE LANDS

(For MECHAM #3-1B2)

LOCATED IN
SECTION 1, T2S, R2W, U.S.B.&M.,
DUCHESNE COUNTY, UTAH



NW 1/4 | NE 1/4 | Sec. 1 | SW 1/4 | SE 1/4

NE Cor Sec 1
1989 Duchesne
Alum Cap,
0.7' High, Iron
Pipe, Fence Corner

Alum Cap,
0.6' Below Ground
LS #148951

1/4 Section Line | 1/16 Section Line | Section Line

S00°20'19"E – 2809.65' (Meas.)

S00°20'11"E – 2640.01' (Meas.)

ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 SW 1/4 OF SECTION 1, T2S, R2W, U.S.B.&M. WHICH BEARS S79°16'02"E 2162.54' FROM THE WEST 1/4 CORNER OF SAID SECTION 1, THENCE S42°46'59"E 335.71'; THENCE S20°30'22"E 243.27'; THENCE S09°02'11"E 278.89'; THENCE S25°56'14"E 78.84'; THENCE S62°50'39"E 109.92'; THENCE N89°27'42"E 1232.01'; THENCE N80°47'12"E 121.08' TO A POINT IN THE NE 1/4 SE 1/4 OF SAID SECTION 1 WHICH BEARS N43°25'16"W 1911.51' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 1. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.653 ACRES MORE OR LESS.

BEGINNING OF PROPOSED ROAD RIGHT-OF-WAY STA. 0+00 (At Existing Well Pad for the Devon #1-1B2)

Edge of Existing Well Pad for the Devon #1-1B2

BEGINNING OF ROAD STA. 0+00 BEARS S79°16'02"E 2162.54' FROM THE WEST 1/4 CORNER OF SECTION 1, T2S, R2W, U.S.B.&M.

END OF ROAD STA. 23+99.71 BEARS N43°25'16"W 1911.51' FROM THE SOUTH 1/4 CORNER OF SECTION 1, T2S, R2W, U.S.B.&M.

P.I. 3+35.71
P.I. 5+78.97
P.I. 8+57.86
P.I. 9+36.70
P.I. 10+46.62
P.I. 22+78.63

END OF PROPOSED ROAD RIGHT-OF-WAY STA. 23+99.71 (At Edge of Surface Use Area)

Mark D/Pasty Mecham

Half F. Mecham

SURFACE USE AREA
MECHAM #3-1B2
Contains 4.242 Acres

Pit | Well

See Detail "A" Above @ Left

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NE 1/4 SE 1/4 OF SECTION 1, T2S, R2W, U.S.B.&M. WHICH BEARS N43°25'16"W 1911.51' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 1, THENCE N00°08'36"E 330.98'; THENCE S89°51'24"E 462.00'; THENCE S00°08'36"W 400.00'; THENCE N89°51'24"W 462.00', THENCE N00°08'36"E 69.02' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.242 ACRES MORE OR LESS.

LINE TABLE			LINE TABLE		
LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L1	S42°46'59"E	335.71'	L9	N00°08'36"E	330.98'
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L3	S09°02'11"E	278.89'	L11	S00°08'36"W	400.00'
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L5	S62°50'39"E	109.92'	L13	N00°08'36"E	69.02'
L6	N89°27'42"E	1232.01'			
L7	N80°47'12"E	121.08'			
L8	N80°47'12"E	31.21'			

SW Cor Sec 1
1992 Duchesne
Alum Cap

1997 Alum Cap,
0.25' High

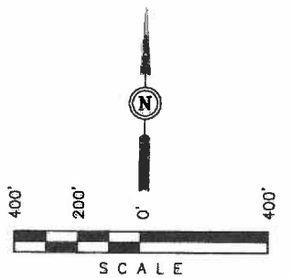
Section Line

S89°47'48"W – 2638.87' (Meas.)

S89°47'54"W – 2638.83' (Meas.)

1989 Alum Cap,
0.2' High

▲= SECTION CORNERS LOCATED.



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
MARK D/PASTY MECHAM	2399.71	1.653	145.44

CERTIFICATE

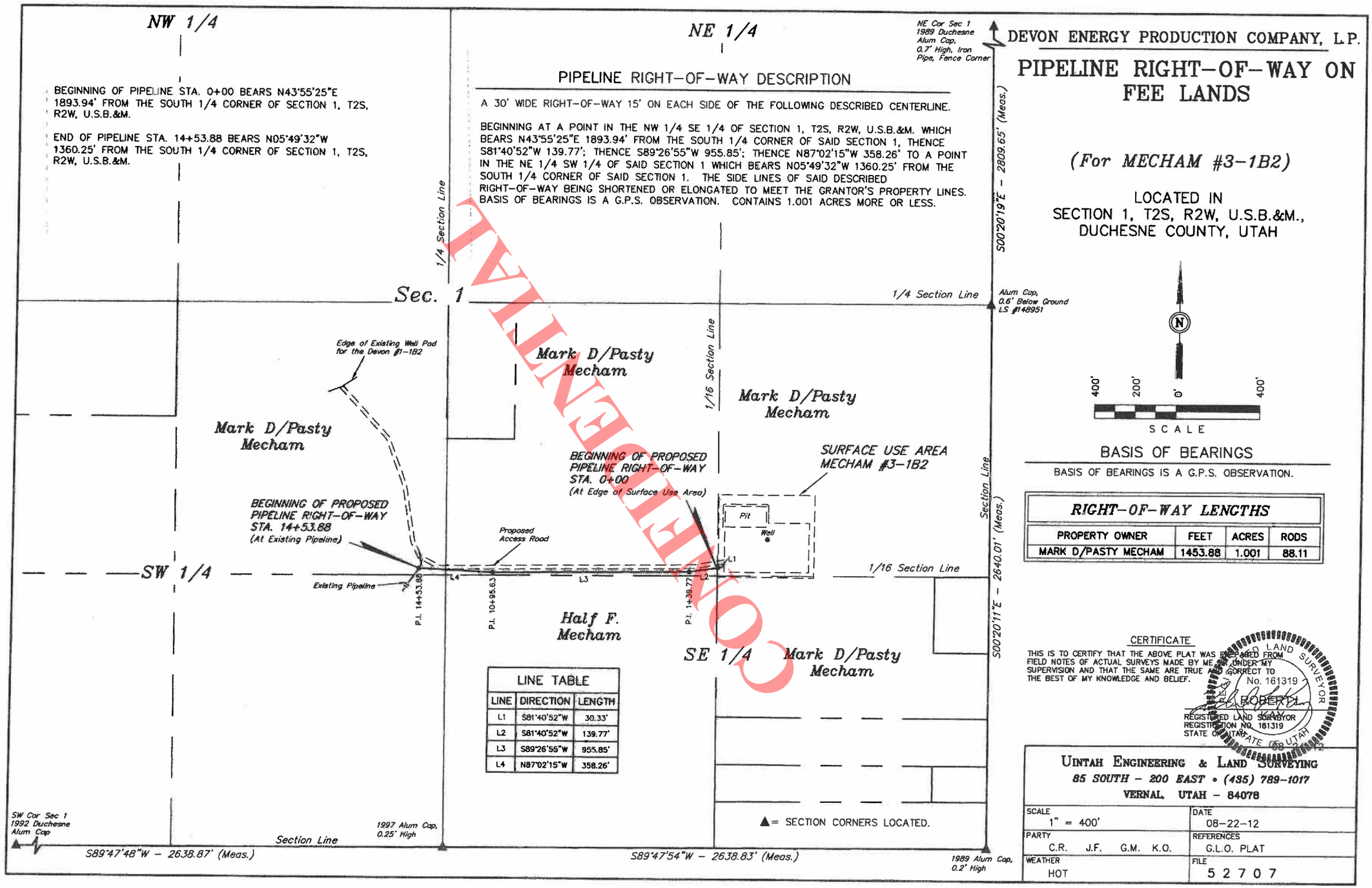
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF UTAH LAND SURVEYOR No. 161319 ROBERT L. KAY

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 400'	DATE 08-22-12
PARTY C.R. J.F. G.M. K.O.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE 52706



DEVON ENERGY PRODUCTION COMPANY, L.P.

PIPELINE RIGHT-OF-WAY ON FEE LANDS

(For MECHAM #3-1B2)

LOCATED IN
SECTION 1, T2S, R2W, U.S.B.&M.,
DUCHESNE COUNTY, UTAH

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
MARK D/PASTY MECHAM	1453.88	1.001	88.11

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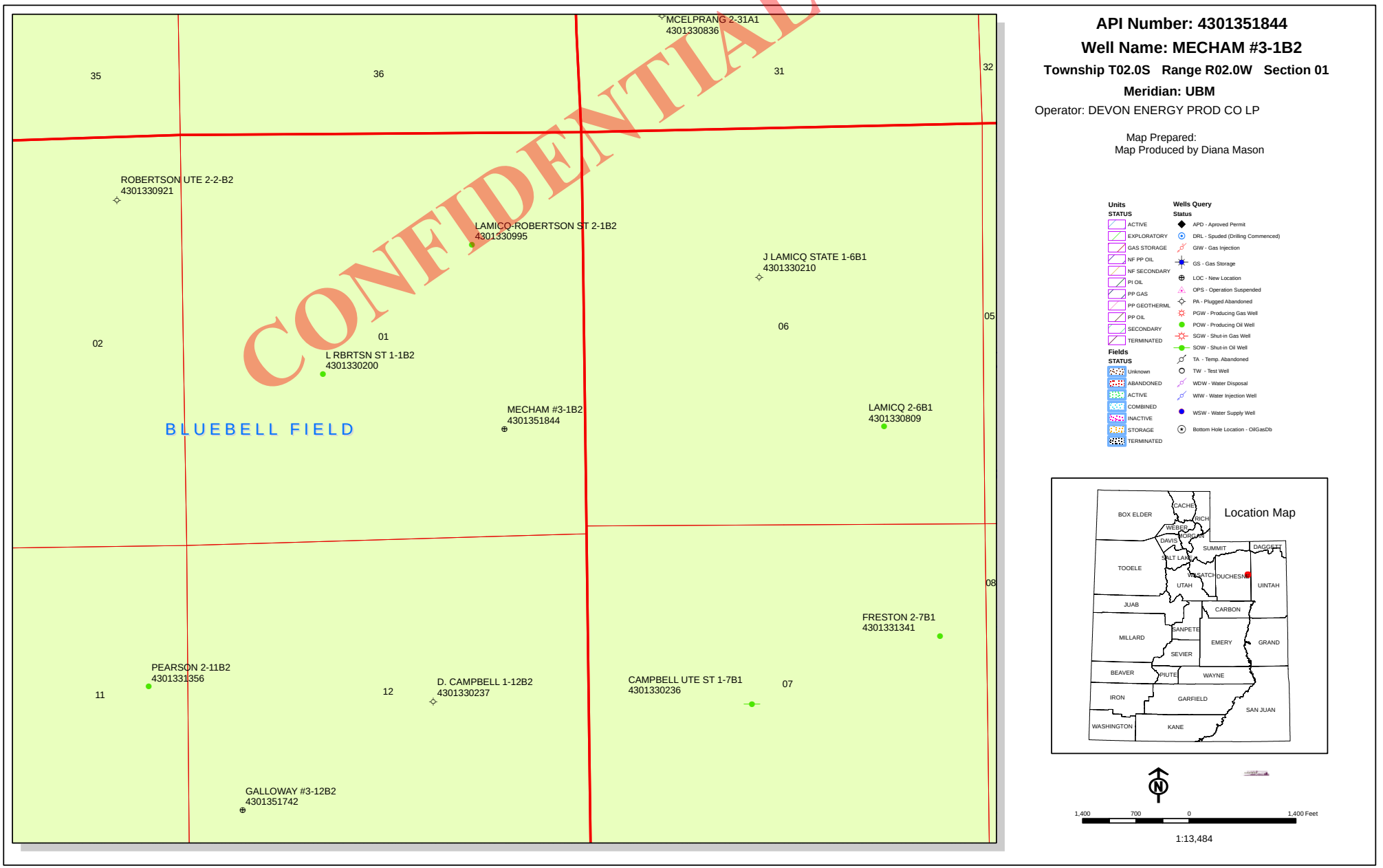
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE	DATE
1" = 400'	08-22-12
PARTY: C.R. J.F. G.M. K.O.	REFERENCES: G.L.O. PLAT
WEATHER: HOT	FILE: 52707

API Well Number: 43013518440000



API Number: 4301351844

Well Name: MECHAM #3-1B2

Township T02.0S Range R02.0W Section 01

Meridian: UBM

Operator: DEVON ENERGY PROD CO LP

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields
STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

Wells Query
Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well
- Bottom Hole Location - OilGasDb

1:13,484

RECEIVED: December 07, 2012

API Well Number: 43013518440000

BOPE REVIEW DEVON ENERGY PROD CO LP MECHAM #3-1B2 43013518440000

Well Name	DEVON ENERGY PROD CO LP MECHAM #3-1B2 43013518440000			
String	SURF	I1	PROD	
Casing Size(")	9.625	7.000	5.000	
Setting Depth (TVD)	2500	10200	13200	
Previous Shoe Setting Depth (TVD)	0	2500	10200	
Max Mud Weight (ppg)	10.0	10.5	14.5	
BOPE Proposed (psi)	1000	5000	10000	
Casing Internal Yield (psi)	5750	11220	13940	
Operators Max Anticipated Pressure (psi)	9953		14.5	

Calculations	SURF String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	1300		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1000	NO	diverter with rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	750	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	750	NO	OK
Required Casing/BOPE Test Pressure=		2500	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi	*Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	5569		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4345	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3325	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3875	NO	OK
Required Casing/BOPE Test Pressure=		7854	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		2500	psi	*Assumes 1psi/ft frac gradient

Calculations	PROD String	5.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	9953		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	8369	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	7049	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	9293	YES	OK
Required Casing/BOPE Test Pressure=		9758	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		10200	psi	*Assumes 1psi/ft frac gradient

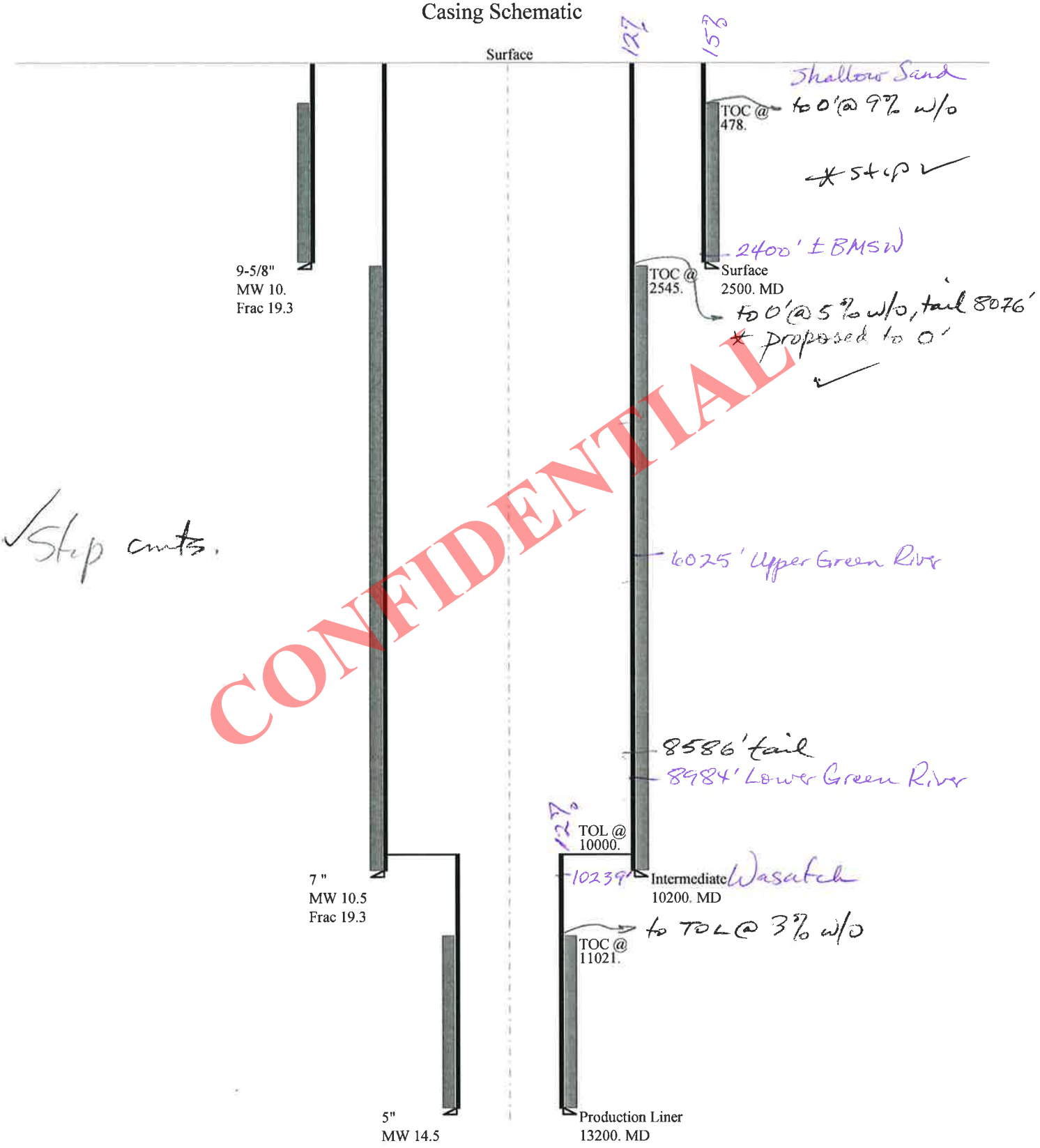
Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi	*Assumes 1psi/ft frac gradient

RECEIVED: February 05, 2013

API Well Number: 43013518440000

43013518440000 Mecham 3-1B2

Casing Schematic



API Well Number: 43013518440000

Well name:	**43013518440000 Mecham 3-1B2**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Surface
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 2,200 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,500 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 2,128 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 109 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 478 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 10,200 ft
Next mud weight: 10.500 ppg
Next setting BHP: 5,564 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,500 ft
Injection pressure: 2,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	2500	9.625	40.00	N-80	LT&C	2500	2500	8.75	31812

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1299	3090	2.379	2500	5750	2.30	100	737	7.37 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: January 16,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2500 ft, a mud weight of 10 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

API Well Number: 43013518440000

Well name:	**43013518440000 Mecham 3-1B2**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Intermediate
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight:	10.500 ppg
Internal fluid density:	2.000 ppg

Burst

Max anticipated surface pressure:	7,039 psi
Internal gradient:	0.220 psi/ft
Calculated BHP	9,283 psi
Annular backup:	2.00 ppg

Minimum design factors:

Collapse:

Design factor	1.125

Burst:

Design factor	1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.60 (B)

Tension is based on air weight.
Neutral point: 8,579 ft

Environment:

H2S considered?	No
Surface temperature:	74 °F
Bottom hole temperature:	217 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,000 ft
Cement top:	2,545 ft

Non-directional string.

Re subsequent strings:

Next setting depth:	13,200 ft
Next mud weight:	14.500 ppg
Next setting BHP:	9,943 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	10,200 ft
Injection pressure:	10,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	10200	7	29.00	P-110	Buttress	10200	10200	6.059	123263

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4504	8530	1.894	8223	11220	1.36	295.8	929.4	3.14 B

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: January 16,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 10200 ft, a mud weight of 10.5 ppg An internal gradient of .104 psi/ft was used for collapse from TD
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013518440000 Mecham 3-1B2**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Production Liner
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 14.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 7,039 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 9,943 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 12,494 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 259 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 11,021 ft

Liner top: 10,000 ft
Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	3200	5	18.00	P-110	ST-L	13200	13200	4.151	27752

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	9943	13470	1.355	9943	13940	1.40	57.6	384	6.67 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: January 16,2013
Salt Lake City, Utah

Remarks:
For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 13200 ft, a mud weight of 14.5 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator DEVON ENERGY PROD CO LP
Well Name MECHAM #3-1B2
API Number 43013518440000 **APD No** 7081 **Field/Unit** BLUEBELL
Location: 1/4,1/4 NESE **Sec** 1 **Tw** 2.0S **Rng** 2.0W 1498 FSL 1079 FEL
GPS Coord (UTM) 580494 4465343 **Surface Owner** Mark D. & Patsy Mecham

Participants

George Gurr (Devon Production Foreman), Bobbie Mitchel (land contrator), Cody Rich (surveyor)

Regional/Local Setting & Topography

This area of and around this proposed location is flat. The location sit is currently used for catlle pasture while other lands nearby are used for hay production. The site is approximatley 4 miles north west of Roosevelt, UT and approximately 3/4 miles north of the Bluebell Highway.

Surface Use Plan

Current Surface Use
Grazing

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.46	**Width** 240 **Length** 407	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Russian olive, tamarisk

Cattle pasture

Soil Type and Characteristics

Loam

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? N

RECEIVED: February 06, 2013

API Well Number: 43013518440000

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)		20
Distance to Surface Water (feet)	200 to 300	10
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations	10 to 30	10 to 30
Presence Nearby Utility Conduits	Not Present	0
	Final Score	66 1 Sensitivity Level

Characteristics / Requirements

The reserve pit as proposed is 200ft x 100ft x 10ft deep. Liner requirments were discussed and George Gurr of Devon agreed to use a minimum 20 mil liner for this site. It appear there is quite high ground water at this site, probably well within the 10ft pit depth. A closed loop system may be more appropriate for this site due to shallow ground water. If a reserve pit is used the pit contents and liner must be removed when drilling is finished.

Closed Loop Mud Required? **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?** Y

Other Observations / Comments

Gravel will be imported for pad and berm construction.

Richard Powell	12/6/2012
Evaluator	**Date / Time**

RECEIVED: February 06, 2013

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7081	43013518440000	LOCKED	OW	P	No

Operator	DEVON ENERGY PROD CO LP	**Surface Owner-APD**	Mark D. & Patsy Mecham
Well Name	MECHAM #3-1B2	**Unit**	
Field	BLUEBELL	**Type of Work**	DRILL
Location	NESE 1 2S 2W U 1498 FSL 1079 FEL GPS Coord (UTM) 580497E 4465332N		

Geologic Statement of Basis

Devon proposes to set 2,500 feet of surface casing which will be cemented to surface. The surface hole will be drilled utilizing an aerated/fresh water system. The estimated depth to the base of moderately saline ground water is 2,400 feet. A search of Division of Water Rights records indicates that there are over 90 water wells within a 10,000 foot radius of the center of Section 1. The nearest water well is approximately 1/4 mile from the proposed site and produces water from a depth of 140 feet. Listed uses are irrigation stock watering, oil exploration, municipal and domestic. Most of these wells produce water from the Uinta Formation and are in the range of 18 to 1,000 feet deep. Average depth is approximately 300 feet. The nearest municipal well is approximately 3/4 mile southwest of the proposed location with a depth of 440 feet. The proposed casing and cement program should adequately protect useable ground water in this area.

Brad Hill — **APD Evaluator**

1/8/2013 — **Date / Time**

Surface Statement of Basis

This proposed well site is on fee surface with state mineral ownership. Surface owner Mark Mecham was contacted prior to the onsite inspection and stated that he had consulted with Devon Energy on the placement of this well to be less intrusive to his ranching operations. The well is placed in an area which is not irrigated and is used for cattle grazing. The site is currently populated with russian olive and tamarisk. Mr. Mecham stated that he has no concerns with drilling at this site.

It appear there is quite high ground water at this site, probably well within the 10ft proposed pit depth. A closed loop system may be more appropriate for this site due to shallow ground water. If a reserve pit is used the pit contents and liner must be removed when drilling is finished.

The site is quite flat and appears to be stable. No drainages are effected by this proposed location and it appears to be a good site for placement of this well. Gravel will be imported for construction of the pad and berms.

Richard Powell — **Onsite Evaluator**

12/6/2012 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

RECEIVED: February 06, 2013

Pits	The reserve pit contents and liner must be removed after drilling is finished.
Pits	A closed loop mud circulation system may be used for this location.
Surface	The reserve pit, if used, shall be fenced upon completion of drilling operations.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

RECEIVED: February 06, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/2/2012
API NO. ASSIGNED: 43013518440000
WELL NAME: MECHAM #3-1B2
OPERATOR: DEVON ENERGY PROD CO LP (N1275)
PHONE NUMBER: 405 228-8684
CONTACT: Julie Patrick

PROPOSED LOCATION: NESE 01 020S 020W
Permit Tech Review: ☑

SURFACE: 1498 FSL 1079 FEL
Engineering Review: ☑

BOTTOM: 1498 FSL 1079 FEL
Geology Review: ☑

COUNTY: DUCHESNE
LATITUDE: 40.33465
LONGITUDE: -110.05234
UTM SURF EASTINGS: 580497.00
NORTHINGS: 4465332.00
FIELD NAME: BLUEBELL
LEASE TYPE: 3 - State
LEASE NUMBER: ML- 22871
PROPOSED PRODUCING FORMATION(S): GREEN RIVER-WASATCH
SURFACE OWNER: 4 - Fee
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE - 71S100753026-70
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Ballard City Municipal Water
- ☐ **RDCC Review:**
- ☑ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 139-84
Effective Date: 12/31/2008
Siting: 660' Fr Drl U Bdry & 1320' Fr Other Wells

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - hmacdonald

RECEIVED: February 06, 2013

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill
****

Well Name: MECHAM #3-1B2
API Well Number: 43013518440000
Lease Number: ML- 22871
Surface Owner: FEE (PRIVATE)
Approval Date: 2/6/2013

Issued to:
DEVON ENERGY PROD CO LP , P.O. Box 290 , Neola, UT 84053

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volumes for the 9 5/8" and 7" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface as indicated in submitted drill plan.

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
  - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML- 22871

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
MECHAM #3-1B2

2. NAME OF OPERATOR:
DEVON ENERGY PROD CO LP

9. API NUMBER:
43013518440000

3. ADDRESS OF OPERATOR:
P.O. Box 290 8345 North 5125 West, Neola, UT, 84053

PHONE NUMBER:
405 228-4248 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1498 FSL 1079 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 01 Township: 02.0S Range: 02.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 4/15/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Devon Energy Production CO., L.P. (Devon) respectfully requests approval to change the casing and cement program for the subject well. Please find attached the revised drill plan, etc. to reflect the changes. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: April 04, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Julie Patrick	405 228-8684	Regulatory Analyst
SIGNATURE		**DATE**
N/A		3/27/2013

RECEIVED: Mar. 27, 2013

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013518440000

Cement volume for 7" string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to surface as indicated in the submitted drilling plan.

RECEIVED: Apr. 04, 2013

BOPE REVIEW	Devon Mecham 3-1B2 API 43-013-51844-0000			
Well Name	Devon Mecham 3-1B2 API 43-013-51844-0000			
	String 1	String 2	String 3	
Casing Size (")	9 5/8	7	5	
Setting Depth (TVD)	1500	10200	13200	
Previous Shoe Setting Depth (TVD)	40	1500	10200	
Max Mud Weight (ppg)	9	13.5	15	
BOPE Proposed (psi)	500	5000	10000	
Casing Internal Yield (psi)	5750	11220	13940	
Operators Max Anticipated Pressure (psi)	10296		15.0 ppg	

Calculations	String 1	9 5/8 "		
Max BHP [psi]	.052*Setting Depth*MW =	702		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	522	NO	Diverter head, air drill - mud up if necessary
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	372	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	381	NO	OK
Required Casing/BOPE Test Pressure		1500	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		40	psi	*Assumes 1psi/ft frac gradient

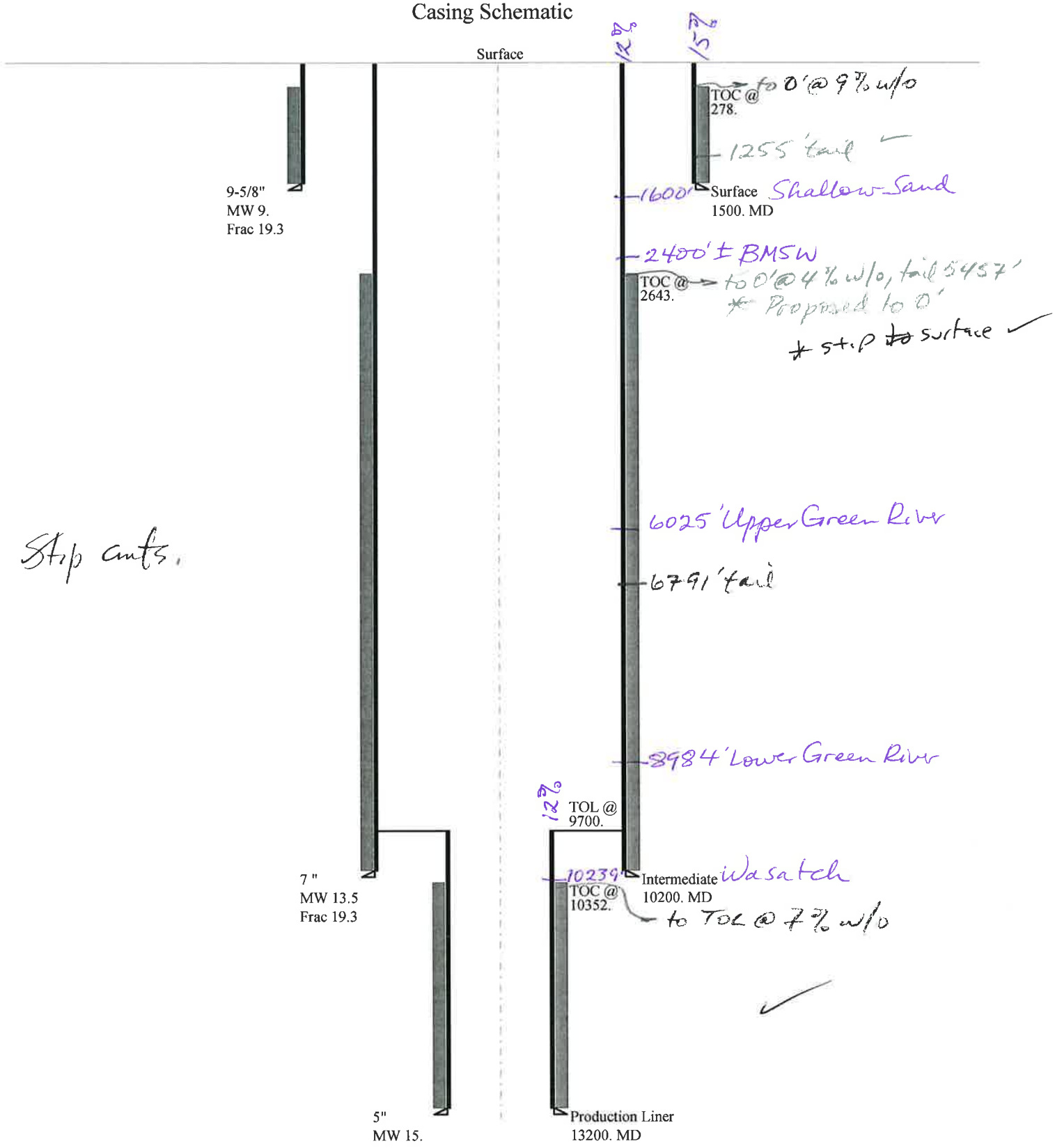
Calculations	String 2	7 "		
Max BHP [psi]	.052*Setting Depth*MW =	7160		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	5936	NO	5M Unihead
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	4916	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	5246	NO	10.5 ppg max press anticipate d
Required Casing/BOPE Test Pressure		7854	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		1500	psi	*Assumes 1psi/ft frac gradient

Calculations	String 3	5 "		
Max BHP [psi]	.052*Setting Depth*MW =	10296		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	8712	YES	Shaffer 13/5/8" pipe rams, choke & kill lines, double ram
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	7392	YES	5M annular, rotating head; packoff on 7"
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	9636	YES	
Required Casing/BOPE Test Pressure		9758	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		10200	psi	*Assumes 1psi/ft frac gradient

Sundry Number: 35990 API Well Number: 43013518440000

43013518440000 Mecham 3-1B2rev

Casing Schematic



Well name:	**43013518440000 Mecham 3-1B2rev**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Surface
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,320 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,500 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 1,299 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 95 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 278 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 10,200 ft
Next mud weight: 13.500 ppg
Next setting BHP: 7,153 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,500 ft
Injection pressure: 1,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	1500	9.625	40.00	N-80	LT&C	1500	1500	8.75	19086

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	701	3090	4.406	1500	5750	3.83	60	737	12.28 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: March 29,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 1500 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013518440000 Mecham 3-1B2rev**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Intermediate
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
- Mud weight: 13.500 ppg
- Design is based on evacuated pipe.

Burst
- Max anticipated surface pressure: 7,382 psi
- Internal gradient: 0.220 psi/ft
- Calculated BHP 9,626 psi
- Annular backup: 2.00 ppg

Minimum design factors:

Collapse:
- Design factor 1.125

Burst:
- Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.60 (B)

Tension is based on air weight.
Neutral point: 8,116 ft

Environment:

H2S considered?	No
Surface temperature:	74 °F
Bottom hole temperature:	217 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,000 ft
Cement top:	2,643 ft

Non-directional string.

Re subsequent strings:

Next setting depth:	13,200 ft
Next mud weight:	15.000 ppg
Next setting BHP:	10,286 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	10,200 ft
Injection pressure:	10,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	10200	7	29.00	P-110	Buttress	10200	10200	6.059	123258

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7153	8530	1.193	8566	11220	1.31	295.8	929.4	3.14 B

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: March 29,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 10200 ft, a mud weight of 13.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013518440000 Mecham 3-1B2rev**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Production Liner
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 15.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 7,382 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 10,286 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 12,401 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 259 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 10,352 ft

Liner top: 9,700 ft
Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	3500	5	18.00	P-110	Buttress	13200	13200	4.151	27072

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	10286	13470	1.310	10286	13620	1.32	63	580.2	9.21 B

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: March 29,2013
Salt Lake City, Utah

Remarks:
For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 13200 ft, a mud weight of 15 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Drilling Plan for **Mecham 3-1B1** **Page** **1** **of** **2**

Estimated Geologic Markers:

	Depths (TVD)		
Formation	**Top**	**Bottom**	**Notes**
Shallow Sand	1,600'	2,000'	Potential water flow up to 12 ppg
Upper Green River	6,025'	8,984'	Potential Hydrocarbons
Lower Green River	8,984'	10,239'	Potential Hydrocarbons, potential water injection zone up to 13.5 ppg
Wasatch	10,239'	13,200'	Potential Hydrocarbons, overpressures
Planned TD	13,200'		

Max Estimated Bottom Hole Pressure: 10,296 psi 15.00 PPG equivalent

Max Estimated Bottom Hole Temp: 240 deg F

Casing Program:

	Hole Size	Csg Size	Top Depth		Bottom Depth		Weight		
Casing String	**(in)**	**(in)**	**MD**	**TVD**	**MD**	**TVD**	**(ppf)**	**Grade**	**Thread**
Surface Casing	12.250''	9.625''	0'	0'	1,500'	1,500'	40.0	N-80	LTC
Intermediate Casing	8.750''	7.000''	0'	0'	10,200'	10,200'	29.0	P-110	BTC
Production Liner	6.125''	5.000''	9,700'	9,700'	13,200'	13,200'	18.0	P-110	VAM ST-L

Casing Program Notes:

Surface Csg: Set just above expected brackish water flow to protest and isolate all shallow fresh water

Intermediate Csg: Set just above top of Wasatch

Cement Program:

Slurry	Top	Bottom	Weight	Yield	Excess	Bbl	Sx
Surface							
Type III	0	1,200'	12.5	2.17	50%	100	260
Type III	1,200'	1,500'	14.8	1.32	50%	25	107
Intermediate							
75/25 Poz/Class G	0	5,725'	12.3	1.70	30%	189	626
50/50 Poz/Class G	5,725'	10,200'	13.5	1.23	30%	156	711
Production Liner							
Class G + Calcium Carbonate	9,700'	13,200'	15.8	2.30	50%	61	149

Cement Program Notes:

Surface Csg: If no cement returns are brought to surface, a top out job will be performed to bring returns to surface.

Intermediate Csg: Top of tail slurry will be just above top of Upper Green River to protect hydrocarbons
Will raise cement density if pressured water flows encountered

Production Liner: Calcium Carbonate makes cement acid soluble for completion operations

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Drilling Plan for **Mecham 3-1B1** **Page** **2** **of** **2**

Mud Program:

Depths			Max Mud	
Start	**End**	**Type**	**PPG**	**Notes**
0'	1,500'	Air/Spud Mud	9.0	Air drill with spudder rig, will mud up if water encountered
0'	10,200'	4% KCL Mud	13.5	Increase mud weight as needed for water flows
9,700'	13,200'	4% KCL Mud	15.0	Increase mud weight as needed to control Wasatch pressure

Plans for Logging, Testing and Coring:

Type	Details	Interval
Open Hole	Array Induction- GR- SP- Cal	Int TD to surf csg
Open Hole	Cross dipole sonic	Int TD to surf csg
Open Hole	Array Induction- GR- SP- Cal	Production TD to Int csg
Open Hole	Cross dipole sonic	Production TD to Int csg
Mud Log	30' samples, 10' samples if slow	4500' to TD
Well testing	None Planned	N/A
Coring	None Planned	N/A

Pressure Control Equipment:

Wellhead

A section	9-5/8" x 11" 5K SOW (Installed as Unihead)
B section	11" 5K x 11" 10K (Installed as Unihead)
C section	11" 10K x 7-1/16" 10K Tubing Head

Notes: Wellhead "unihead" will be installed as single piece (A and B sections) on 9-5/8" csg and flange will be tested to 5K psi. 7" int csg will be landed in the head. A 10k psi packoff will be installed on top of the int csg. At that time the same flange will be tested to 10k psi. Tubing head will be installed after setting production liner.

BOPE- see attached documents

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Additional BOPE Installation Requirements

See attached detailed BOP Stack and Choke Manifold schematics specific to the rig

- **This documents specifies requirement in addition to what is specified in the schematics.**
- **Carefully inspect equipment and notify engineer of any differences from schematics to actual setup**

All BOPE should be rigged up and operated in accordance with Devon Well Control Manual.

- Carefully read Chapters 5 and 6 in particular for BOPE requirements
- Contact superintendent or engineer for a copy of the Devon Well Control Manual if needed

Wellhead

- Ensure all gland nuts fully tightened
- Use RX or BX type ring gaskets (BX preferred by Devon), change out every time a break is made.
- All side outlets must have 2 barriers installed (VR plug + blind flange or 2x gate valves)
- Every annulus behind a string of casing must be monitered for pressure
  - Side outlets for casing annuli should have a gate valve and needle valve with a gauge and bleed off method
- Use RX or BX type ring gaskets (BX preferred by Devon), change out every time a break is made.

BOP Stack

- All ram preventers and HCR must have manual locking devices whith hand wheels installed
- Must have a spare set of rams with packing rubbers, for each size of pipe in use- kept in climate controlled environment
- Mud cross side flanges must have a minimum of 3" ID

Choke Manifold

- Remote Control Panel for Hydraulic Choke required on rig floor
- Spare and repair parts for all chokes must be maintained at the rig

Closing Unit

- Remote Control Panel for Hydraulic Choke required on rig floor
- Spare and repair parts for all chokes must be maintained at the rig

Workstring BOPE

- Upper and lower kelly cock valves are required
  - Top drives should have 2 x remotely operated full opening safety valves instead of kelly cock valves
- FOSV (TIW) and IBOP required to fit all connections in use (can use XOs)
  - Valves and corresponding wrenches must be stored in open position at accessible place on rig floor
- All work string BOPE must have ID larger than ID of DP or workstring in use
- All work string BOPE must have working pressure at least equal to High Test Pressure for given hole section
  - Exception for valves internal to top drives- notify engineer

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BOPE Testing Procedures

1 All BOPE testing to be done in accordance with Devon Well Control Manual.
- Carefully read Chapters 5 and 6 in particular for BOPE testing requirements
- Contact superintendent or engineer for a copy of the Devon Well Control Manual if needed

2 For each set of BOPE tests, follow the procedures below for the required tests.

3 Check the box for each test performed and fill in any required test data.

4 Scan in any and all test charts, forms, and paperwork to create electronic record of test

5 Email all test documents including this form to engineer (chris.gray@dvn.com).

6 Record all tests and their results on IADC and Devon Daily Drilling Reports, noting any corrections/repairs made

☐ Closing Unit Nitrogen Bottle Precharge Pressure Tests

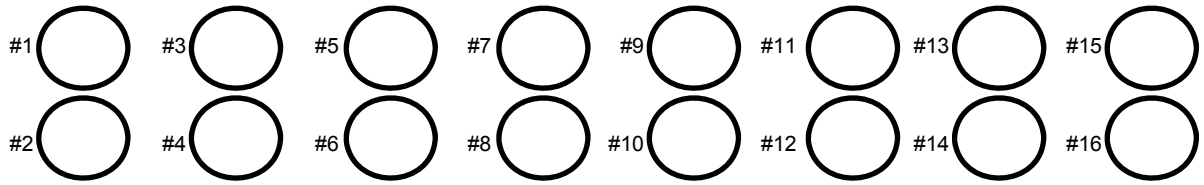
Frequncy: Upon initial rig up for each well and every 90 days thereafter

Documentation: See below

1 Bleed off all pressures on Closing Unit

2 Using nitrogen refill port, measure and record precharge pressure on each bottle in the space below
- Nitrogen bottle precharge must have precharge pressure within 100 psi of the minimum precharge pressure for the system

3 Use only nitrogen to refill bottles if needed



☐ Closing Unit and Hydraulic Chamber Pressure Integrity Tests

Frequncy: Upon initial rig up for each well and every 1 year thereafter

Documentation: Test Chart

Perform the following in order:
- Hold each test for 10 minutes and record on pressure chart
- Bleed off all pressures on Closing Unit
- Test Accumulator Bank to Max Operating Pressure for the system
- Isolate and bleed off all pressure on Accumulator Bank
- Test the Annular Manifold and all Annular Manifold valves to the working pressure of the Annular Manifold
- Connect closing and opening lines to preventers and HCR
- Test closing line and then opening line and hydraulic chambers of annular preventer to working pressure of Annular Manifold
- Isolate and bleed off pressure from the Annular Manifold
- Test all closing unit valves and the Main Manifold to Maximum Operating Pressure for the system.
- Test closing lines and then opening lines and hydraulic chambers of the ram preventers and HCR to Max Operating Pressure of the system
- Make sure any unused opening or closing line ports are plugged and tested to the Maximum Operating Pressure for the system

☐ Closing Unit Control Panels Function Tests

Frequncy: Upon initial rig up for each well, each BOPE test, and once weekly from alternating stations

Documentation: Note on IADC and Devon Daily Reports
- Function test each BOP preventer and the HCR from both the Main Control Panel and the Remote Control Panel
- Function test the pressure regulator valves at the Main Control Panel
- Fuction test the Annular Manifold pressure regulator valve at the Remote Control Panel

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BOPE Testing Procedures

1 All BOPE testing to be done in accordance with Devon Well Control Manual.
- Carefully read Chapters 5 and 6 in particular for BOPE testing requirements
- Contact superintendent or engineer for a copy of the Devon Well Control Manual if needed

2 For each set of BOPE tests, follow the procedures below for the required tests.

3 Check the box for each test performed and fill in any required test data.

4 Scan in any and all test charts, forms, and paperwork to create electronic record of test

5 Email all test documents including this form to engineer (chris.gray@dvn.com).

6 Record all tests and their results on IADC and Devon Daily Drilling Reports, noting any corrections/repairs made

☐ Closing Unit Remaining Precharge and Response Time Tests

Frequncy: Upon initial rig up for each well and every 90 days thereafter

Documentation: See below

Perform the following in order:

- Charge Accumulator Bank to Max Operating Pressure
- Regulate both manifolds to corresponding working pressures
- Turn off all power sources to charge pumps
- Record initial Accumulator Bank pressure in the space below
  - Accumlator Bank pressure must be equal to the rated working pressure of the system

Initial Accumulator Bank Pressure: _____

- Close the annular and both sets of pipe rams and open the HCR, recording times to close/open each in the space below
  - The time it takes to close (or open) each preventer should include the time to return pressure on the manifold to the working pressure
  - Each preventer or valve must function in 30 seconds or less

Upper Pipe Rams Closing Time: _____

Lower Pipe Rams Closing Time: _____

Annular Closing Time: _____

HCR Opening Time: _____

- Open one set of pipe rams (to simulate closing blinds) and record final Accumulator Bank pressure in the space below
  - Final Accumulator Bank pressure must be 200 psi above the Minimum Precharge Pressure

Remaining Accumulator Bank Pressure: _____

☐ Charge Pump Tests

Frequncy: Upon initial rig up for each well and every 90 days thereafter

Documentation: See Below

Perform the following in order:

- Charge Accumulator Bank to Max Operating Pressure
- Regulate both manifolds to corresponding working pressures
- Connect power source to only one charge pump.
- Bleed pressure off of Accumulator bank in 50 psi increments until the charge pumps automatically kicks in.
  - Record the Kick In Pressure in the space below
  - Kick In Pressure must be no less than 90% of the Max Operating Pressure of the system
- Allow charge pump to build pressure on Accumulator bank until it automatically shuts off
  - Be prepared to shut off power source to charge pump if it exceed Maximum Operating Pressure for the system
  - Record the Kick Out Pressure in the space below
  - Kick Out Pressure must be no more than the Maximum Operating Pressure of the system
  - Kick Out Pressure must be a minimum of 100 psi below the Maximum Operating Pressure of the system
- If not already in position, close the HCR and open the annular preventer
- Disconnect power source to charge pump and bleed off all pressures on Closing Unit.
- Use test joint in BOP stack of smallest size DP planned for use

*****Continued on next page*****

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BOPE Testing Procedures

1 All BOPE testing to be done in accordance with Devon Well Control Manual.
- Carefully read Chapters 5 and 6 in particular for BOPE testing requirements
- Contact superintendent or engineer for a copy of the Devon Well Control Manual if needed

2 For each set of BOPE tests, follow the procedures below for the required tests.

3 Check the box for each test performed and fill in any required test data.

4 Scan in any and all test charts, forms, and paperwork to create electronic record of test

5 Email all test documents including this form to engineer (chris.gray@dvn.com).

6 Record all tests and their results on IADC and Devon Daily Drilling Reports, noting any corrections/repairs made

Continued from previous page

- With no pressure on the Closing Unit, move the HCR control handle to "Open" and the annular control handle to "Close"
- Reconnect power source to the same single charge pump and allow it to pressurize the Closing Unit, open the HCR, and close the annular
  - In the space below, record the time it takes for the charge pump to open the HCR, close the Annular and pressurize the manifolds to their respective working pressures
  - At least one charge pump must accomplish this in 2 minutes or less
- Repeat the above test for each of the charge pumps

Pump #	Description	Kick In Psi	Kick Out Psi	Time to Open HCR/Close Annular

- Connect power sources to all charge pumps
- Charge Accumulator Bank to Max Operating Pressure
- Regulate both manifolds to corresponding working pressures
- Bleed all pressure off of Accumulator Bank allowing charge pumps to automatically kick in
  - In the space below record the time it takes all charge pumps to simultaneously restore Accumulator Bank to Max Operating Pressure
  - This time must be 15 minutes or less

Time for Charge Pumps to Recharge System: _____

☐ BOP Stack, Choke Line, Kill Line, Choke Manifold Pressure Integrity Tests

Frequency: Upon initial rig up for each well, after any breaks to pressure seals, prior to increasing system pressure rating, or every 21 days.

NOTE: With permission from superintendent- can test only broken pressure seal instead of entire system (i.e. to change a valve, etc)

Documentation: Test Chart

- Use a test plug that seats in wellhead, allowing for testing of wellhead flange while isolating the casing below it
  - Gauge the test plug to be used prior to running in the hole and double check that it is correct size for wellhead bowl
  - Confirm that wear bushing has been pulled from wellhead
- Open casing valve to the annulus immediately below the test plug prior to pressuring up on test plug
- All preventers and lines should be filled with clear water as a test fluid
- Hold each test for 10 minutes and record on pressure chart
- Test all components on the BOP Stack, Choke Line, Kill Line, and Choke Manifold but nothing downstream of the chokes
- First, test to a Low Test Pressure of no less than 200 psi and no more than 300 psi
- If a component passes the Low Test, then test to the High Test Pressure
- Check each hole section for a specified High Test Pressure
- Do not test the annular preventer to a pressure higher than 70% of it's rated working pressure
  - The annular preventer will likely have a different test pressure than other components
- The annular preventer must be tested while closed on the smallest size DP planned for use
- Fixed size pipe rams must be tested while closed on the size pipe designed for use
- Variable size pipe rams (i.e. VBRs or Flex Rams) must be tested while closed on the smallest **and also** the largest size DP planned for use
- DO NOT test blind rams with test joint in BOP stack
- Be sure to winterize choke and kill lines and manifold after testing by draining the lines and/or filling with methanol

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BOPE Testing Procedures

1 All BOPE testing to be done in accordance with Devon Well Control Manual.
- Carefully read Chapters 5 and 6 in particular for BOPE testing requirements
- Contact superintendent or engineer for a copy of the Devon Well Control Manual if needed

2 For each set of BOPE tests, follow the procedures below for the required tests.

3 Check the box for each test performed and fill in any required test data.

4 Scan in any and all test charts, forms, and paperwork to create electronic record of test

5 Email all test documents including this form to engineer (chris.gray@dvn.com).

6 Record all tests and their results on IADC and Devon Daily Drilling Reports, noting any corrections/repairs made

☐ Work String BOPE Pressure Integrity Tests

Frequncy: Upon initial rig up for each well, any BOPE tests, when replacing any equipment for size or connections changes, or every 21 days.

Documentation: Test Chart

- Work String BOPE components include anything that would be used to shut in the drill pipe- TIW, FOSV, IBOP, Kelly Cock Valves, etc
- Hold each test for 10 minutes and record on pressure chart
- Test each component with pressure on the bottom side only
- Make sure stand pipe is open to pits when testing against valves in kelly or top drive
- Check the rated working pressure for each component to be tested
- First, test to a Low Test Pressure of no less than 200 psi and no more than 300 psi
- If a component passes the Low Test, then test to the rated working pressure for that component
  - Do not test to a pressure higher than High Test Pressure for that hole section

☐ Circulating System Pressure Integrity Tests

Frequncy: Upon initial rig up for each well, any BOPE tests, after any breaks to pressure seals, or every 21 days.

NOTE: With permission from superintendent- can test only broken pressure seal instead of entire system (i.e. to change a valve, etc)

Documentation: Test Chart

- Circulating System equipment to be tested includes line from pumps to SP, SP manifold, SP, rotary hose, swivel, and kelly or top drive
- Hold each test for 10 minutes and record on pressure chart
- Check the rated working pressure for each component to be tested
- First, test to a Low Test Pressure of no less than 200 psi and no more than 300 psi
- If a component passes the Low Test, then test to the rated working pressure for that component
  - Do not test to a pressure higher than High Test Pressure for that hole section
  - Check with Drilling Contractor for test pressure limits on circulating equipment

☐ Casing Pressure Integrity Tests

Frequncy: Prior to drilling out from any newly set string of casing, or every 30 days

Documentation: Test Chart

- Devon requires casing test to 70% of casing burst pressure
- Check properties and density of fluid in the casing
- Confirm casing test pressure with engineer prior to testing
  - In some cases, if a weighted fluid is used to displace cement, a surface test pressure could cause casing to burst downhole
- Test pressure should be held for 30 minutes and recorded on a pressure chart
- A string of casing will pass the pressure test if no more than 10% of the original test pressure has leaked off after 30 minutes
- Contact your superintendent if the casing fails the pressure test
- Contact your superintendent and engineer when approaching the 30 day retest requirement.
  - A detailed procedure will be agreed upon and distributed to the rig

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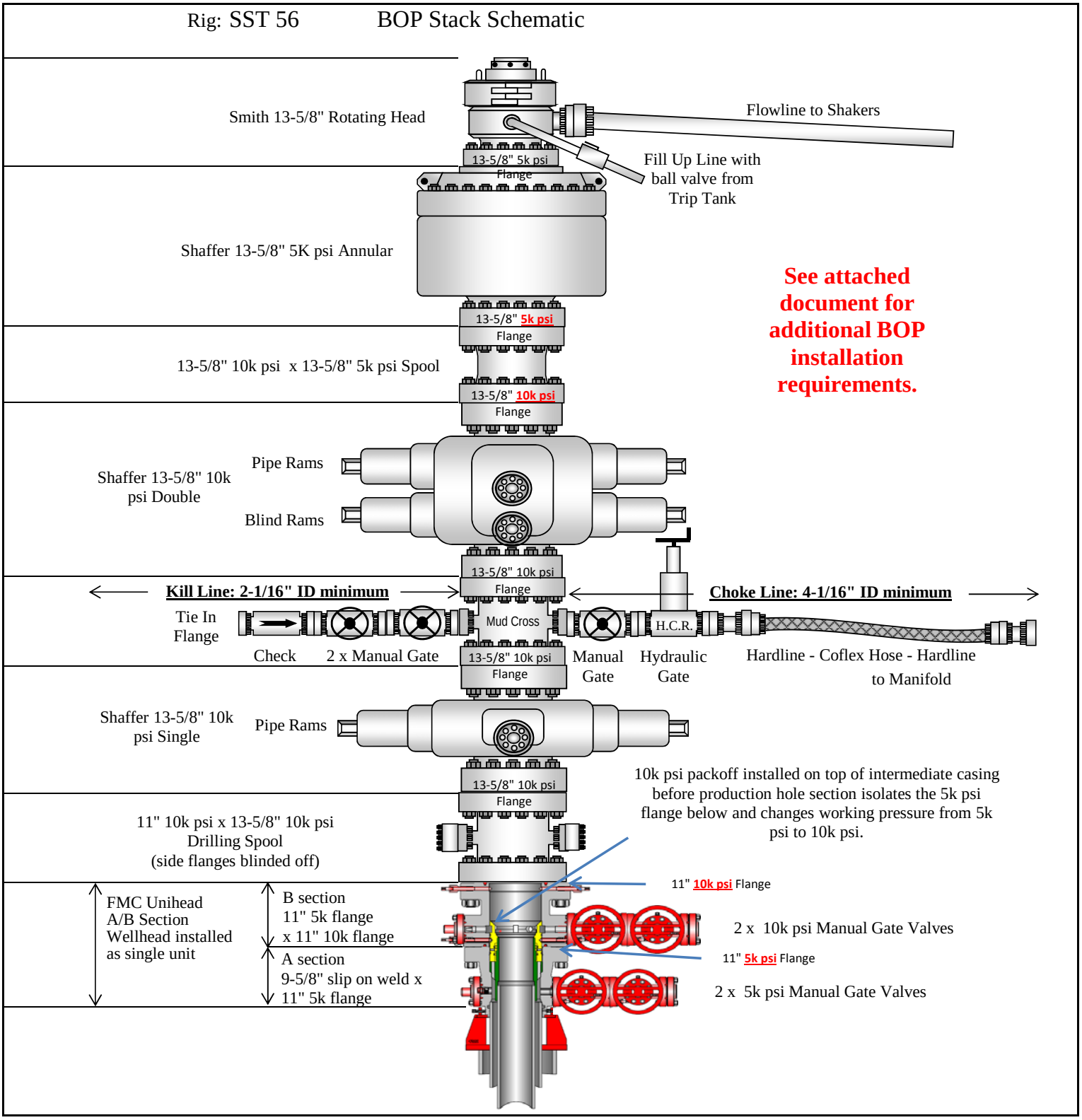
Rig: SST 56 BOP Stack Schematic



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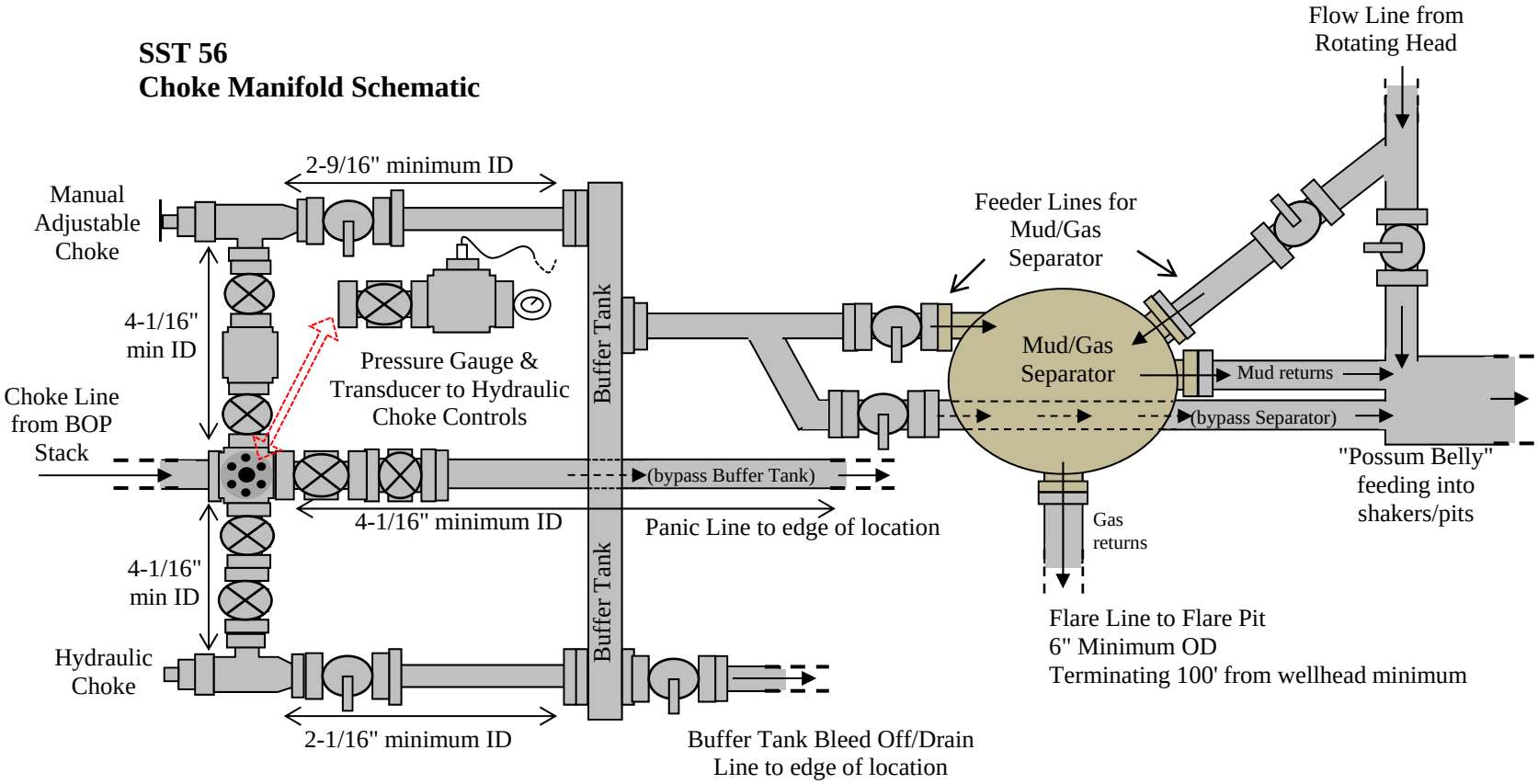
SST 56
Choke Manifold Schematic



BOPE Test Pressures (psi)				
Component	**Rated Psi**	**Low Test Psi**	**High Test Psi**	
			8.75" Hole	**6.125" Hole**
Circulating System	5,000	250	5,000	5,000
Work String BOPE	10,000	250	5,000	10,000
Rotating Head	500	250	N/A	N/A
Annular	5,000	250	3,500	3,500
Double Ram	10,000	250	5,000	10,000
Mud Cross	10,000	250	5,000	10,000
Single Ram	10,000	250	5,000	10,000
Kill Line	10,000	250	5,000	10,000
Choke Line	10,000	250	5,000	10,000
Choke Manifold	10,000	250	5,000	10,000
Wellhead B Section	10,000	250	5,000	10,000
Wellhead A Section	10,000	250	5,000	N/A*

*A Section isolated from wellbore pressure after packoff installed
(see BOP stack schematic)

Closing Unit Info	
Manufacturer	Koomey
Model	T20160-3S
Working Pressure	3000 psi
Min Precharge	1000 psi
# of Bottles	16
Bottle Size	11 gal
Usable Fluid	88.0 gal
Reservoir Size	315 gal
Charge Pumps	1x Elect, 2x air

BOP Closing Fluid Volumes	
Annular	23.58 gal
Pipe Rams	10.58 gal
Blind Rams	10.58 gal
Pipe Rams	10.58 gal
HCR	1.0 gal
Total	**56.32** gal
Usable Fluid	88.0 gal
Safety Factor	**1.56**

Closing Unit Operating Parameters	
Max Operating Pressure	3000 psi
Min Operating Pressure	1200 psi
Main Manifold Working Pressure	1500 psi
Annular Manifold Working Pressure	1500 psi
Reservoir w/Pressurized System	1/2 full

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML- 22871

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
MECHAM #3-1B2

2. NAME OF OPERATOR:
DEVON ENERGY PROD CO LP

9. API NUMBER:
43013518440000

3. ADDRESS OF OPERATOR:
P.O. Box 290 8345 North 5125 West, Neola, UT, 84053

PHONE NUMBER:
405 228-4248 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1498 FSL 1079 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 01 Township: 02.0S Range: 02.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Approved by the Utah Division of Oil, Gas and Mining

Date: June 03, 2013

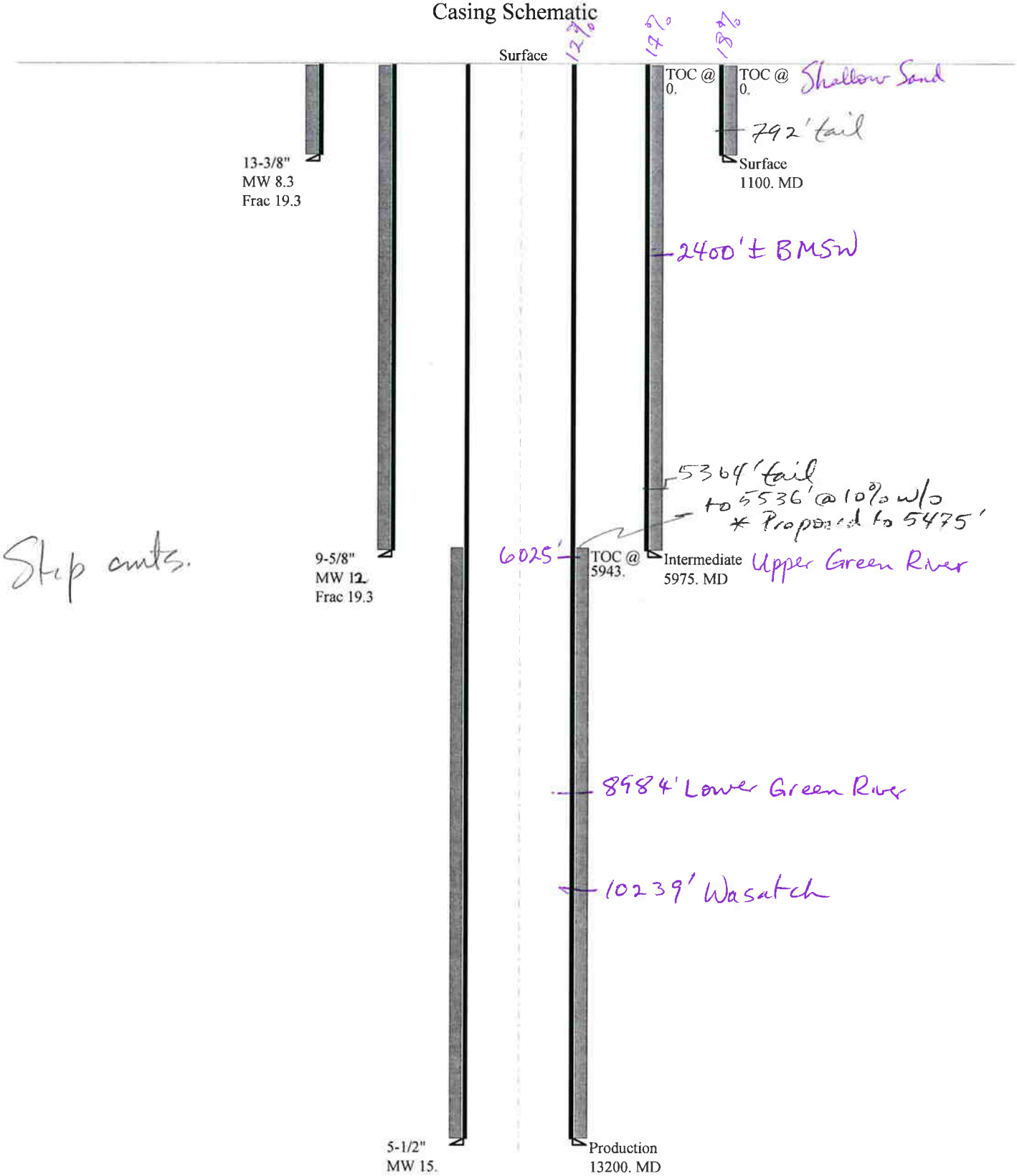
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Julie Patrick	405 228-8684	Regulatory Analyst
SIGNATURE		**DATE**
N/A		5/31/2013

RECEIVED: May. 31, 2013

43013518440000 Mecham 3-1B2rev2

Casing Schematic



Well name: **43013518440000 Mecham 3-1B2rev2**
Operator: **DEVON ENERGY PROD CO LP**
String type: Surface
Project ID: 43-013-51844
Location: DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,320 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,452 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 965 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 89 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:
Next setting depth: 5,975 ft
Next mud weight: 11.000 ppg
Next setting BHP: 3,414 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,500 ft
Injection pressure: 1,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	1100	13.375	54.50	J-55	ST&C	1100	1100	12.49	13649

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	476	1130	2.374	1452	2730	1.88	60	514	8.57 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: May 30,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 1100 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013518440000 Mecham 3-1B2rev2**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Intermediate
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 12.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 4,661 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,975 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 4,908 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 158 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:
Next setting depth: 13,200 ft
Next mud weight: 15.000 ppg
Next setting BHP: 10,286 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 5,975 ft
Injection pressure: 5,975 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	5975	9.625	40.00	HCP-110	Buttress	5975	5975	8.75	315480

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3725	4310	1.157	5975	7900	1.32	239	1259.9	5.27 B

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: May 31,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 5975 ft, a mud weight of 12 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013518440000 Mecham 3-1B2rev2**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Production
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight:	15.000 ppg
Internal fluid density:	1.000 ppg

Burst

Max anticipated surface pressure:	7,381 psi
Internal gradient:	0.220 psi/ft
Calculated BHP	10,285 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor	1.125

Burst:

Design factor	1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.60 (B)

Tension is based on air weight.
Neutral point: 10,202 ft

Environment:

H2S considered?	No
Surface temperature:	74 °F
Bottom hole temperature:	259 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,000 ft
Cement top:	5,943 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	13200	5.5	20.00	P-110	Buttress	13200	13200	4.653	109507

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	9600	11100	1.156	10285	12360	1.20	264	641.1	2.43 B

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: May 30,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 13200 ft, a mud weight of 15 ppg An internal gradient of .052 psi/ft was used for collapse from TD
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW	Devon Mecham 3-1B2rev2 43013518440000			
Well Name	Devon Mecham 3-1B2rev2 43013518440000			
	String 1	String 2	String 3	
Casing Size (")	13 3/8	9 5/8	5 1/2	
Setting Depth (TVD)	1100	5975	13200	
Previous Shoe Setting Depth (TVD)	40	1100	5975	
Max Mud Weight (ppg)	8.33	11	15	
BOPE Proposed (psi)	1000	5000	10000	
Casing Internal Yield (psi)	2730	7900	12360	
Operators Max Anticipated Pressure (psi)	10296		15.0 ppg	

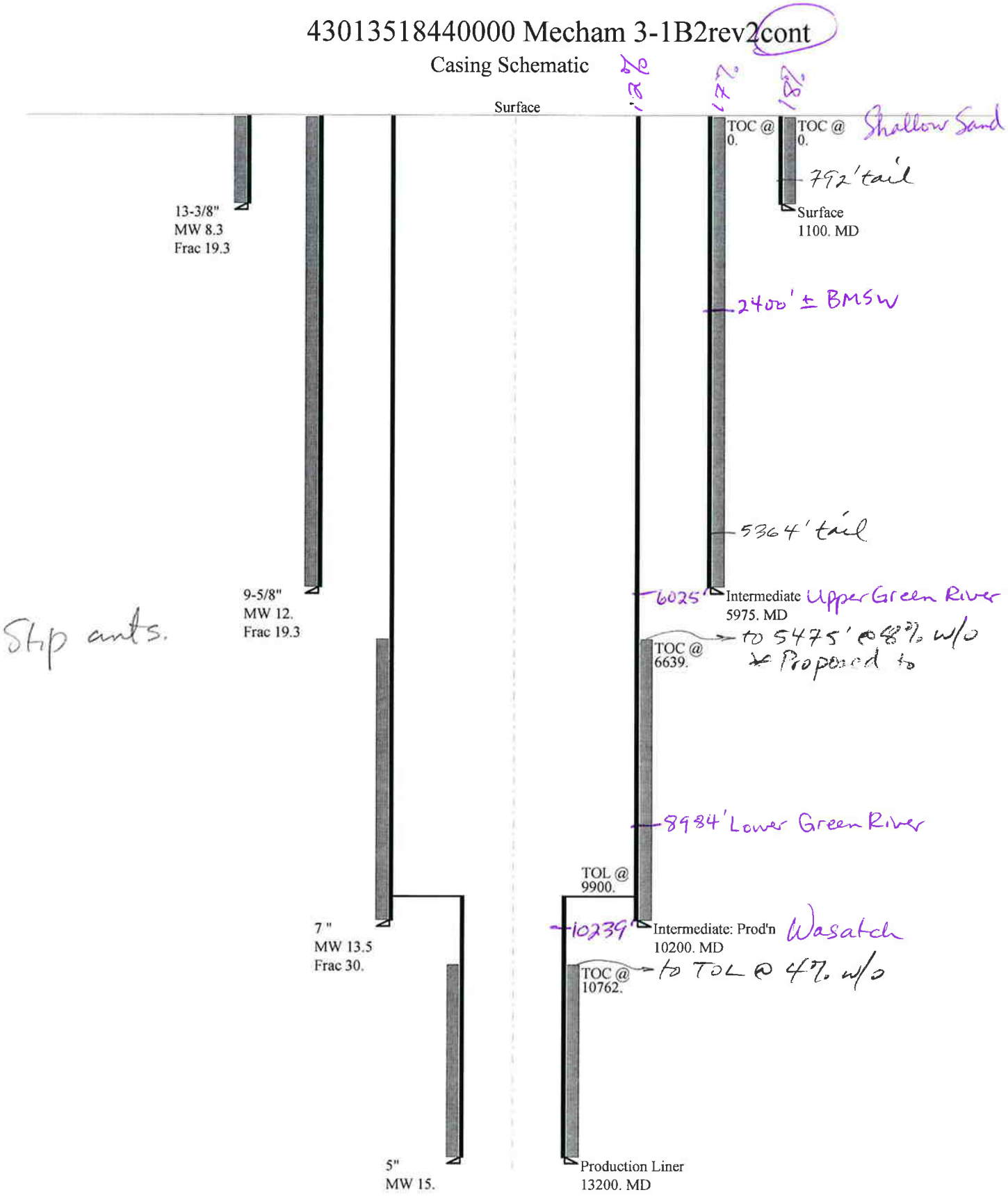
Calculations	String 1	13 3/8 "		
Max BHP [psi]	.052*Setting Depth*MW =	476		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	344	YES	13 3/8" x 13 3/8" 5K SOW (install as unihead)
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	234	YES	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	243	NO	
Required Casing/BOPE Test Pressure		1100	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		40	psi	*Assumes 1psi/ft frac gradient

Calculations	String 2	9 5/8 "		
Max BHP [psi]	.052*Setting Depth*MW =	3418		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2701	YES	13 3/8" 5K x 13 3/8" 10K SOW (install as unihead)
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	2103	YES	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	2345	NO	
Required Casing/BOPE Test Pressure		5530	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		1100	psi	*Assumes 1psi/ft frac gradient

Calculations	String 3	5 1/2 "		
Max BHP [psi]	.052*Setting Depth*MW =	10296		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	8712	YES	13 3/8" 10K x 11" 10K (install as unihead)
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	7392	YES	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	8707	NO	
Required Casing/BOPE Test Pressure		8652	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		5975	psi	*Assumes 1psi/ft frac gradient

43013518440000 Mecham 3-1B2rev2cont

Casing Schematic



Well name:	**43013518440000 Mecham 3-1B2rev2cont**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Surface
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 968 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,100 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 964 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 89 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth: 5,975 ft
Next mud weight: 12.000 ppg
Next setting BHP: 3,725 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,100 ft
Injection pressure: 1,100 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	1100	13.375	54.50	J-55	ST&C	1100	1100	12.49	13648

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	476	1130	2.374	1100	2730	2.48	59.9	514	8.57 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: May 30,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 1100 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013518440000 Mecham 3-1B2rev2cont**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Intermediate
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 12.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 4,661 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,975 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 4,908 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 158 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:
Next setting depth: 10,200 ft
Next mud weight: 13.500 ppg
Next setting BHP: 7,153 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 5,975 ft
Injection pressure: 5,975 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	5975	9.625	40.00	HCP-110	Buttress	5975	5975	8.75	315480

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3725	4310	1.157	5975	7900	1.32	239	1259.9	5.27 B

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: May 31,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 5975 ft, a mud weight of 12 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013518440000 Mecham 3-1B2rev2cont**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Intermediate: Prod'n
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 13.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 7,382 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 9,626 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 8,116 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 217 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 6,639 ft

Non-directional string.

Production liner info:
Liner setting depth: 13,200 ft
Pore pressure equivale 15.000 ppg
Assumed BHP at TD: 10,286 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	10200	7	29.00	P-110	Buttress	10200	10200	6.059	123263

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7153	8530	1.192	9626	11220	1.17	295.8	929.4	3.14 B

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: May 30,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 10200 ft, a mud weight of 13.5 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013518440000 Mecham 3-1B2rev2cont**
Operator:	**DEVON ENERGY PROD CO LP**
String type:	Production Liner
Project ID:	43-013-51844
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 15.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 7,382 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 10,286 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 12,446 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 259 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 10,763 ft

Liner top: 9,900 ft
Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	3300	5	18.00	P-110	ST-L	13200	13200	4.151	28618

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	10286	13470	1.310	10286	13940	1.36	59.4	384	6.46 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: May 30,2013
Salt Lake City, Utah

Remarks:
For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 13200 ft, a mud weight of 15 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW — Devon Mecham 3-1B2rev2cont 43013-51844-0000

Well Name	Devon Mecham 3-1B2rev2cont 43013-51844-0000			
	String 1	String 2	String 3	String 4
Casing Size (")	13 3/8	9 5/8	7	4 1/2
Setting Depth (TVD)	1100	5975	10200	13200
Previous Shoe Setting Depth (TVD)	0	1100	5975	10200
Max Mud Weight (ppg)	8.3	12	13.5	15
BOPE Proposed (psi)	1000	5000	10000	10000
Casing Internal Yield (psi)	2730	7900	11220	13940
Operators Max Anticipated Pressure (psi)	10296			15.0 ppg

Calculations	String 1	13 3/8 "		
Max BHP [psi]	.052*Setting Depth*MW =	475		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	343	YES	5" x 20" Rotating head
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	233	YES	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) =	233	NO	
Required Casing/BOPE Test Pressure		1100	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		0	psi	*Assumes 1psi/ft frac gradient

Calculations	String 2	9 5/8 "		
Max BHP [psi]	.052*Setting Depth*MW =	3728		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	3011	YES	5" x 13 3/8" Smith rotating head
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	2414	YES	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) =	2656	NO	
Required Casing/BOPE Test Pressure		5530	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		1100	psi	*Assumes 1psi/ft frac gradient

Calculations	String 3	7 "		
Max BHP [psi]	.052*Setting Depth*MW =	7160		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	5936	YES	13 5/8" 10K x 11" 10K
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	4916	YES	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) =	6231	NO	
Required Casing/BOPE Test Pressure		7854	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		5975	psi	*Assumes 1psi/ft frac gradient

Calculations	String 4	4 1/2 "		
Max BHP [psi]	.052*Setting Depth*MW =	10296		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	8712	YES	11" 10K x 7 1/16" 10 K tubing head
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	7392	YES	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	HP-.22*(Setting Depth - Previous Shoe Depth) =	9636	YES	
Required Casing/BOPE Test Pressure		9758	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		10200	psi	*Assumes 1psi/ft frac gradient

devon

Drilling Engineer: Chris Gray
Drilling Supervisor: Chuck Mowry
Superintendent: George Durington
Geologist: Dennis Shannon

Well Name: Mecham 3-1B2
Objective: Wasatch
County, State: Duchesne, UT

SHL: 1498' FSL, 1079' FEL, Section 1, T2S, R2W, U.S.B.&M.
Lat: 40.334725 (NAD83)
Long: -110.052367 (NAD83)
BHL: 1498' FSL, 1079' FEL, Section 1, T2S, R2W, U.S.B.&M.
Lat: 40.334725 (NAD83)
Long: -110.052367 (NAD83)

Elevation: 5,267' Final Grade
5,289' RKB

Drilling Rig: SST 56
Drilling Fluids: Halliburton
Cement: Halliburton
Liner Hanger: Halliburton
Wellhead: FMC

WBS Number: 01-03311

Conductor- Weld jt ASME A53B
OD: **20"** Hole Size: **30"**
Wt: **53.8#** Depth: **100'**

Surface Casing
OD: **13.375"**
Wt: **54.5#**
Grd: **J55**
Con: **STC**
Base of Water Wells 1,000'
Hole Size: **17.500"**
Depth: **1,100'**

Base of Moderately Saline Ground Water 2,400'

*Potential pressured injection zone water flows 2,500' 3,500'

Intermediate Casing
OD: **9.625"**
Wt: **40.#**
Grd: **HCP110**
Con: **BTC**
Hole Size: **12.250"**
Depth: **5,975'**

Upper Green River 6,025'
*Hydrocarbons
*Abnormal Pressure

Lower Green River 8,984'
*Hydrocarbons
*Abnormal Pressure

Wasatch 10,239'
*Hydrocarbons
*Abnormal Pressure

Production Casing
OD: **5.500"**
Wt: **20.#**
Grd: **P110**
Con: **BTC**
Hole Size: **8.750"**
Depth: **13,200'**

Wellhead Equipment	
A Section	13-3/8" x 13-5/8" 5K SOW (Installed as Unihead)
B Section	13-5/8" 5K x 13-5-8" 10K (Installed as Unihead)
DSA	13-5/8" 10K x 11" 10K
C Section	11" 10K x 7-1/16" 10K Tubing Head

Mud

Depth	Type	Weight
0' - 1,100'	Air/Spud Mud	Air - 8.3
1,100' - 5,975'	Water Based	9.0 - 11.0
5,975' - 13,200'	Water Based	12.0 - 15.0

Cement

Csg	Slurry	Top	Btm	Wt	%EX
Surf	Type V	0'	800'	11.0	100
Surf	Class G	800'	1,100'	15.8	100
Surf	Class G (top out)	0'	200'	15.8	N/A
Int	75/25 Poz/Class G	0'	5,375'	12.5	100
Int	Class G	5,375'	5,975'	15.8	100
Prod	Class G	5,475'	13,200'	15.8	35

Note: Surface topped out through 1" pipe before lead sets

Directional Plan

Target TVDs:	N/A
Target Window:	N/A

Point	MD	INC	AZM	TVD	VS	DLS
SHL	0'	0.00	0.00	0'	0'	0.00
BHL	13,200'	0.00	0.00	13,200'	0'	0.00

Hardlines: Vertical- 660' from section lines

Notes: Please note SHL and BHL from section/lease lines
Wells tend to walk south-southeast

Logs

Type	Description	Interval	Vendor
Wireline	Array Ind- GR- SP- Cal	Int TD to Surf Csg	Baker
Wireline	Dipole Sonic	Int TD to Surf Csg	Baker
Wireline	Array Ind- GR- SP- Cal	Prod TD to Int Csg	Baker
Wireline	Dipole Sonic	Prod TD to Int Csg	Baker
Mudlog	30' samples	Surf Csg to Int Csg	Summit
Mudlog	10' samples if possible	Int Csg to TD	Summit

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Well Name: Mecham 3-1B2

Contingency Design

Conductor- Weld jt ASME A53B
OD: **20"** Hole Size: **30"**
Wt: **53.8#** Depth: **100'**

Surface Casing
OD: **13.375"**
Wt: **54.5#**
Grd: **J55**
Con: **STC**
Base of Water Wells 1,000'
Hole Size: **12.250"**
Depth: **1,100'**

Base of Moderately Saline Ground Water 2,400'

*Potential pressured injection zone water flows 2,500' 3,500'

Intermediate Casing
OD: **9.625"**
Wt: **40.#**
Grd: **HCP110**
Con: **BTC**
Hole Size: **12.250"**
Depth: **5,975'**

Upper Green River 6,025'
*Hydrocarbons
*Abnormal Pressure

Lower Green River 8,984'
*Hydrocarbons
*Abnormal Pressure

Contingency Casing
OD: **7.000"**
Wt: **29.#**
Grd: **P110**
Con: **BTC**
Top of Liner 9,900'
Hole Size: **8.750"**
Depth: **10,200'**

Wasatch 10,239'
*Hydrocarbons
*Abnormal Pressure

Production Casing
OD: **5.000"**
Wt: **18.#**
Grd: **P110**
Con: **ST-L**
Hole Size: **6.125"**
Depth: **13,200'**

Wellhead Equipment	
A Section	13-3/8" x 13-5/8" 5K SOW (Installed as Unihead)
B Section	13-5/8" 5K x 13-5-8" 10K (Installed as Unihead)
DSA	13-5/8" 10K x 11" 10K
C Section	11" 10K x 7-1/16" 10K Tubing Head

Mud

Depth	Type	Weight
0' - 1,100'	Air/Spud Mud	Air - 8.3
1,100' - 5,975'	Water Based	9.0 - 12.0
5,975' - 10,200'	Water Based	12.0 - 13.5
10,200' - 13,200'	Water Based	13.5 - 15.0

Cement

Csg	Slurry	Top	Btm	Wt	%EX
Surf	Type V	0'	800'	11.0	100
Surf	Class G	800'	1,100'	15.8	100
Surf	Class G (top out)	0'	200'	15.8	100
Int	75/25 Poz/Class G	0'	5,375'	12.5	100
Int	Class G	5,375'	5,975'	15.8	100
Cont	Class G	5,475'	10,200'	15.8	35
Prod	Class G	9,900'	13,200'	15.8	30

Note: Surface topped out through 1" pipe before lead sets

Directional Plan

Target TVDs:	N/A
Target Window:	N/A

Point	MD	INC	AZM	TVD	VS	DLS
SHL	0'	0.00	0.00	0'	0'	0.00
BHL	13,200'	0.00	0.00	13,200'	0'	0.00

Hardlines: Vertical- 660' from section lines

Notes: Please note SHL and BHL from section/lease lines
Wells tend to walk south-southeast

Logs

Type	Description	Interval	Vendor
Wireline	Array Ind- GR- SP- Cal	Int TD to Surf Csg	Baker
Wireline	Dipole Sonic	Int TD to Surf Csg	Baker
Wireline	Array Ind- GR- SP- Cal	Cont TD to Int Csg	Baker
Wireline	Dipole Sonic	Cont TD to Int Csg	Baker
Wireline	Array Ind- GR- SP- Cal	Prod TD to Cont Csg	Baker
Wireline	Dipole Sonic	Prod TD to Cont Csg	Baker
Mudlog	30' samples	Surf Csg to Int Csg	Summit
Mudlog	10' samples if possible	Int Csg to TD	Summit

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Drilling Plan for **Mike & Shelley 3-4B2** **Page** **1** **of** **2**

Estimated Geologic Markers:

	Depths (TVD)		
Zone	**Top**	**Bottom**	**Notes**
Base of Water Wells		1,000'	As noted on approved permit
Base of Moderately Saline Ground Water		2,400'	As noted on approved permit
Shallow Injection	2,500'	3,500'	Overpressure due to charged injection zone
Upper Green River	6,025'	8,984'	Potential Hydrocarbons, overpressures
Lower Green River	8,984'	10,239'	Potential Hydrocarbons, overpressures
Wasatch	10,239'	13,200'	Potential Hydrocarbons, overpressures
Planned TD	13,200'		

Max Estimated Bottom Hole Pressure: 10,296 psi 15.00 PPG equivalent
Max Estimated Bottom Hole Temp: 249 deg F

Casing Program:

	Hole Size	Csg Size	Top Depth		Bottom Depth		Weight		
Casing String	**(in)**	**(in)**	**MD**	**TVD**	**MD**	**TVD**	**(ppf)**	**Grade**	**Thread**
Surface Casing	17.500''	13.375''	0'	0'	1,100'	1,100'	54.5	J55	STC
Intermediate Casing	12.250''	9.625''	0'	0'	5,975'	5,975'	40.0	HCP110	BTC
Production Casing	8.750''	5.500''	0'	0'	13,200'	13,200'	20.0	P110	BTC

Casing Program Notes:

Surface Csg: Set just above expected brackish water flow to protest and isolate all shallow fresh water
Int1 Csg: Set just above the Upper Green River

Cement Program:

Csg	**Slurry**	**Top**	**Bottom**	**Weight**	**Yield**	**Excess**	**Bbl**	**Sx**
Surf	Type V	0	800'	11	3.82	100%	198	291
Surf	Class G	800	1,100'	15.8	1.15	100%	74	362
Surf	Class G (top out)	0	200'	15.8	1.15	N/A	As Needed	
Int	75/25 Poz/Class G	0	5,375'	12.5	1.45	100%	600	2322
Int	Class G	5375	5,975'	15.8	1.15	100%	67	327
Prod	Class G	5475	13,200'	15.8	1.15	35%	469	2291

Cement Program Notes:

Surface Csg: Top out will be performed through 1" pipe from 200' to surface before lead slurry sets up to establish higher quality cement isolating the top of the well
Intermediate Csg: Lead slurry to surface with tail cement around base of casing string
Production Casing: Single heavy slurry to cover Green River and Wasatch pay zones

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Drilling Plan for **Mike & Shelley 3-4B2** **Page** **2** **of** **2**

Mud Program

Depths			Max Mud	
Start	End	Type	PPG	Notes
0'	1,100'	Air/Spud Mud	8.3	Air drill with spudder rig, will mud up if water encountered
1,100'	5,975'	Water Based	11.0	Weight up as needed for water flows
5,975'	13,200'	Water Based	15.0	Weight up as needed to control abnormal pressures

Plans for Logging, Testing and Coring

Type	Details	Interval
Wireline	Array Ind- GR- SP- Cal	Int TD to Surf Csg
Wireline	Dipole Sonic	Int TD to Surf Csg
Wireline	Array Ind- GR- SP- Cal	Prod TD to Int Csg
Wireline	Dipole Sonic	Prod TD to Int Csg
Mudlog	30' samples	Surf Csg to Int Csg
Mudlog	10' samples if possible	Int Csg to TD

Pressure Control Equipment

Wellhead

A Section	13-3/8" x 13-5/8" 5K SOW (Installed as Unihead)
B Section	13-5/8" 5K x 13-5-8" 10K (Installed as Unihead)
DSA	13-5/8" 10K x 11" 10K
C Section	11" 10K x 7-1/16" 10K Tubing Head

Notes: Wellhead "unihead" will be installed as single piece (A and B sections) on 13-3/8" csg and will be tested to 5K psi. 9-5/8" int csg will be landed in the A section portion of the unihead. A 10k psi packoff will be installed on top of the int csg, which will isolate the A section and the flange connecting the A section to the B section. At that time the B section flange connecting to the BOP stack will be tested to 10k psi along with the BOP. THe DSA (crossover) and tubing head will be installed after setting production casing.

BOPE- see attached documents

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Drilling Plan for **Mike & Shelley 3-4B2** **Page** **1** **of** **2**

Contingency Design

Estimated Geologic Markers:

	Depths (TVD)		
Zone	**Top**	**Bottom**	**Notes**
Base of Water Wells		1,000'	As noted on approved permit
Base of Moderately Saline Ground Water		2,400'	As noted on approved permit
Shallow Injection	2,500'	3,500'	Overpressure due to charged injection zone
Upper Green River	6,025'	8,984'	Potential Hydrocarbons, overpressures
Lower Green River	8,984'	10,239'	Potential Hydrocarbons, overpressures
Wasatch	10,239'	13,200'	Potential Hydrocarbons, overpressures
Planned TD	13,200'		

Max Estimated Bottom Hole Pressure: 10,296 psi 15.00 PPG equivalent

Max Estimated Bottom Hole Temp: 249 deg F

Casing Program:

	Hole Size	Csg Size	Top Depth		Bottom Depth		Weight		
Casing String	**(in)**	**(in)**	**MD**	**TVD**	**MD**	**TVD**	**(ppf)**	**Grade**	**Thread**
Surface Casing	17.500''	13.375''	0'	0'	1,100'	1,100'	54.5	J55	STC
Intermediate Csg	12.250''	9.625''	0'	0'	5,975'	5,975'	40.0	HCP110	BTC
Contingency Csg	8.750''	7.000''	0'	0'	10,200'	10,200'	29.0	P110	BTC
Production Casing	6.125''	5.000''	9,900'	9,900'	13,200'	13,200'	18.0	P110	ST-L

Casing Program Notes:

Surface Csg: Set just above expected brackish water flow to protest and isolate all shallow fresh water

Intermediate Csg: Set just above the Upper Green River

Contingency Csg: Set just above Wasatch if Green River cannot hold higher mud weights

Cement Program:

Csg	**Slurry**	**Top**	**Bottom**	**Weight**	**Yield**	**Excess**	**Bbl**	**Sx**
Surf	Type V	0	800'	11	3.82	100%	198	291
Surf	Class G	800	1,100'	15.8	1.15	100%	74	362
Surf	Class G (top out)	0	200'	15.8	1.15	N/A	As Needed	
Int	75/25 Poz/Class G	0	5,375'	12.5	1.45	100%	600	2322
Int	Class G	5375	5,975'	15.8	1.15	100%	67	327
Cont	Class G	5475	10,200'	15.8	1.15	35%	171	834
Prod	Class G	9900	13,200'	15.8	1.15	30%	52	255

Cement Program Notes:

Surface Csg: Top out will be performed through 1" pipe from 200' to surface before lead slurry sets up to establish higher quality cement isolating the top of the well

Intermediate Csg: Lead slurry to surface with tail cement around base of casing string

Contingency Csg: Single heavy slurry to cover Green River pay zones

Production Casing: Single heavy slurry to cover Wasatch pay zones

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Drilling Plan for **Mike & Shelley 3-4B2** **Page** **2** **of** **2**
Contingency Design

Mud Program

Depths			Max Mud	
Start	End	Type	PPG	Notes
0'	1,100'	Air/Spud Mud	8.3	Air drill with spudder rig, will mud up if water encountered
1,100'	5,975'	Water Based	12.0	Weight up as needed for water flows
5,975'	10,200'	Water Based	13.5	Weight up as needed to control abnormal pressures
10,200'	13,200'	Water Based	15.0	Weight up as needed to control abnormal pressures

Plans for Logging, Testing and Coring

Type	Details	Interval
Wireline	Array Ind- GR- SP- Cal	Int TD to Surf Csg
Wireline	Dipole Sonic	Int TD to Surf Csg
Wireline	Array Ind- GR- SP- Cal	Cont TD to Int Csg
Wireline	Dipole Sonic	Cont TD to Int Csg
Wireline	Array Ind- GR- SP- Cal	Prod TD to Cont Csg
Wireline	Dipole Sonic	Prod TD to Cont Csg
Mudlog	30' samples	Surf Csg to Int Csg
Mudlog	10' samples if possible	Int Csg to TD

Pressure Control Equipment

Wellhead

A Section	13-3/8" x 13-5/8" 5K SOW (Installed as Unihead)
B Section	13-5/8" 5K x 13-5-8" 10K (Installed as Unihead)
DSA	13-5/8" 10K x 11" 10K
C Section	11" 10K x 7-1/16" 10K Tubing Head

Notes: Wellhead "unihead" will be installed as single piece (A and B sections) on 13-3/8" csg and will be tested to 5K psi. 9-5/8" int csg will be landed in the A section portion of the unihead. A 10k psi packoff will be installed on top of the int csg, which will isolate the A section and the flange connecting the A section to the B section. At that time the B section flange connecting to the BOP stack will be tested to 10k psi along with the BOP. THe DSA (crossover) and tubing head will be installed after setting production casing.

BOPE- see attached documents

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Additional BOPE Installation Requirements

See attached detailed BOP Stack and Choke Manifold schematics specific to the rig

- **This documents specifies requirement in addition to what is specified in the schematics.**
- **Carefully inspect equipment and notify engineer of any differences from schematics to actual setup**

All BOPE should be rigged up and operated in accordance with Devon Well Control Manual.

- Carefully read Chapters 5 and 6 in particular for BOPE requirements
- Contact superintendent or engineer for a copy of the Devon Well Control Manual if needed

Wellhead

- Ensure all gland nuts fully tightened
- Use RX or BX type ring gaskets (BX preferred by Devon), change out every time a break is made.
- All side outlets must have 2 barriers installed (VR plug + blind flange or 2x gate valves)
- Every annulus behind a string of casing must be monitered for pressure
  - Side outlets for casing annuli should have a gate valve and needle valve with a gauge and bleed off method
- Use RX or BX type ring gaskets (BX preferred by Devon), change out every time a break is made.

BOP Stack

- All ram preventers and HCR must have manual locking devices whith hand wheels installed
- Must have a spare set of rams with packing rubbers, for each size of pipe in use- kept in climate controlled environment
- Mud cross side flanges must have a minimum of 3" ID

Choke Manifold

- Remote Control Panel for Hydraulic Choke required on rig floor
- Spare and repair parts for all chokes must be maintained at the rig

Closing Unit

- Remote Control Panel for Hydraulic Choke required on rig floor
- Spare and repair parts for all chokes must be maintained at the rig

Workstring BOPE

- Upper and lower kelly cock valves are required
  - Top drives should have 2 x remotely operated full opening safety valves instead of kelly cock valves
- FOSV (TIW) and IBOP required to fit all connections in use (can use XOs)
  - Valves and corresponding wrenches must be stored in open position at accessible place on rig floor
- All work string BOPE must have ID larger than ID of DP or workstring in use
- All work string BOPE must have working pressure at least equal to High Test Pressure for given hole section
  - Exception for valves internal to top drives- notify engineer

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BOPE Testing Procedures

1 All BOPE testing to be done in accordance with Devon Well Control Manual.
- Carefully read Chapters 5 and 6 in particular for BOPE testing requirements
- Contact superintendent or engineer for a copy of the Devon Well Control Manual if needed

2 For each set of BOPE tests, follow the procedures below for the required tests.

3 Check the box for each test performed and fill in any required test data.

4 Scan in any and all test charts, forms, and paperwork to create electronic record of test

5 Email all test documents including this form to engineer (chris.gray@dvn.com).

6 Record all tests and their results on IADC and Devon Daily Drilling Reports, noting any corrections/repairs made

☐ Closing Unit Nitrogen Bottle Precharge Pressure Tests

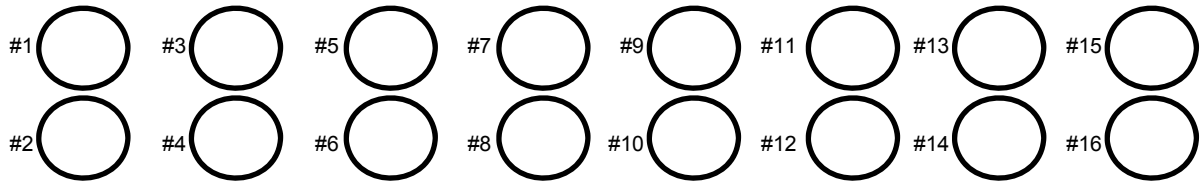
Frequncy: Upon initial rig up for each well and every 90 days thereafter

Documentation: See below

1 Bleed off all pressures on Closing Unit

2 Using nitrogen refill port, measure and record precharge pressure on each bottle in the space below
- Nitrogen bottle precharge must have precharge pressure within 100 psi of the minimum precharge pressure for the system

3 Use only nitrogen to refill bottles if needed



☐ Closing Unit and Hydraulic Chamber Pressure Integrity Tests

Frequncy: Upon initial rig up for each well and every 1 year thereafter

Documentation: Test Chart

Perform the following in order:
- Hold each test for 10 minutes and record on pressure chart
- Bleed off all pressures on Closing Unit
- Test Accumulator Bank to Max Operating Pressure for the system
- Isolate and bleed off all pressure on Accumulator Bank
- Test the Annular Manifold and all Annular Manifold valves to the working pressure of the Annular Manifold
- Connect closing and opening lines to preventers and HCR
- Test closing line and then opening line and hydraulic chambers of annular preventer to working pressure of Annular Manifold
- Isolate and bleed off pressure from the Annular Manifold
- Test all closing unit valves and the Main Manifold to Maximum Operating Pressure for the system.
- Test closing lines and then opening lines and hydraulic chambers of the ram preventers and HCR to Max Operating Pressure of the system
- Make sure any unused opening or closing line ports are plugged and tested to the Maximum Operating Pressure for the system

☐ Closing Unit Control Panels Function Tests

Frequncy: Upon initial rig up for each well, each BOPE test, and once weekly from alternating stations

Documentation: Note on IADC and Devon Daily Reports
- Function test each BOP preventer and the HCR from both the Main Control Panel and the Remote Control Panel
- Function test the pressure regulator valves at the Main Control Panel
- Fuction test the Annular Manifold pressure regulator valve at the Remote Control Panel

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BOPE Testing Procedures

1 All BOPE testing to be done in accordance with Devon Well Control Manual.
- Carefully read Chapters 5 and 6 in particular for BOPE testing requirements
- Contact superintendent or engineer for a copy of the Devon Well Control Manual if needed

2 For each set of BOPE tests, follow the procedures below for the required tests.

3 Check the box for each test performed and fill in any required test data.

4 Scan in any and all test charts, forms, and paperwork to create electronic record of test

5 Email all test documents including this form to engineer (chris.gray@dvn.com).

6 Record all tests and their results on IADC and Devon Daily Drilling Reports, noting any corrections/repairs made

☐ Closing Unit Remaining Precharge and Response Time Tests

Frequncy: Upon initial rig up for each well and every 90 days thereafter

Documentation: See below

Perform the following in order:
- Charge Accumulator Bank to Max Operating Pressure
- Regulate both manifolds to corresponding working pressures
- Turn off all power sources to charge pumps
- Record initial Accumulator Bank pressure in the space below
  - Accumlator Bank pressure must be equal to the rated working pressure of the system

Initial Accumulator Bank Pressure: _____

- Close the annular and both sets of pipe rams and open the HCR, recording times to close/open each in the space below
  - The time it takes to close (or open) each preventer should include the time to return pressure on the manifold to the working pressure
  - Each preventer or valve must function in 30 seconds or less

Upper Pipe Rams Closing Time: _____
Lower Pipe Rams Closing Time: _____
Annular Closing Time: _____
HCR Opening Time: _____

- Open one set of pipe rams (to simulate closing blinds) and record final Accumulator Bank pressure in the space below
  - Final Accumulator Bank pressure must be 200 psi above the Minimum Precharge Pressure

Remaining Accumulator Bank Pressure: _____

☐ Charge Pump Tests

Frequncy: Upon initial rig up for each well and every 90 days thereafter

Documentation: See Below

Perform the following in order:
- Charge Accumulator Bank to Max Operating Pressure
- Regulate both manifolds to corresponding working pressures
- Connect power source to only one charge pump.
- Bleed pressure off of Accumulator bank in 50 psi increments until the charge pumps automatically kicks in.
  - Record the Kick In Pressure in the space below
  - Kick In Pressure must be no less than 90% of the Max Operating Pressure of the system
- Allow charge pump to build pressure on Accumulator bank until it automatically shuts off
  - Be prepared to shut off power source to charge pump if it exceed Maximum Operating Pressure for the system
  - Record the Kick Out Pressure in the space below
  - Kick Out Pressure must be no more than the Maximum Operating Pressure of the system
  - Kick Out Pressure must be a minimum of 100 psi below the Maximum Operating Pressure of the system
- If not already in position, close the HCR and open the annular preventer
- Disconnect power source to charge pump and bleed off all pressures on Closing Unit.
- Use test joint in BOP stack of smallest size DP planned for use

*****Continued on next page*****

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BOPE Testing Procedures

1 All BOPE testing to be done in accordance with Devon Well Control Manual.
- Carefully read Chapters 5 and 6 in particular for BOPE testing requirements
- Contact superintendent or engineer for a copy of the Devon Well Control Manual if needed

2 For each set of BOPE tests, follow the procedures below for the required tests.

3 Check the box for each test performed and fill in any required test data.

4 Scan in any and all test charts, forms, and paperwork to create electronic record of test

5 Email all test documents including this form to engineer (chris.gray@dvn.com).

6 Record all tests and their results on IADC and Devon Daily Drilling Reports, noting any corrections/repairs made

Continued from previous page

- With no pressure on the Closing Unit, move the HCR control handle to "Open" and the annular control handle to "Close"
- Reconnect power source to the same single charge pump and allow it to pressurize the Closing Unit, open the HCR, and close the annular
  - In the space below, record the time it takes for the charge pump to open the HCR, close the Annular and pressurize the manifolds to their respective working pressures
  - At least one charge pump must accomplish this in 2 minutes or less
- Repeat the above test for each of the charge pumps

Pump #	Description	Kick In Psi	Kick Out Psi	Time to Open HCR/Close Annular

- Connect power sources to all charge pumps
- Charge Accumulator Bank to Max Operating Pressure
- Regulate both manifolds to corresponding working pressures
- Bleed all pressure off of Accumulator Bank allowing charge pumps to automatically kick in
  - In the space below record the time it takes all charge pumps to simultaneously restore Accumulator Bank to Max Operating Pressure
  - This time must be 15 minutes or less

Time for Charge Pumps to Recharge System: _____

☐ BOP Stack, Choke Line, Kill Line, Choke Manifold Pressure Integrity Tests

Frequency: Upon initial rig up for each well, after any breaks to pressure seals, prior to increasing system pressure rating, or every 21 days.

NOTE: With permission from superintendent- can test only broken pressure seal instead of entire system (i.e. to change a valve, etc)

Documentation: Test Chart

- Use a test plug that seats in wellhead, allowing for testing of wellhead flange while isolating the casing below it
  - Gauge the test plug to be used prior to running in the hole and double check that it is correct size for wellhead bowl
  - Confirm that wear bushing has been pulled from wellhead
- Open casing valve to the annulus immediately below the test plug prior to pressuring up on test plug
- All preventers and lines should be filled with clear water as a test fluid
- Hold each test for 10 minutes and record on pressure chart
- Test all components on the BOP Stack, Choke Line, Kill Line, and Choke Manifold but nothing downstream of the chokes
- First, test to a Low Test Pressure of no less than 200 psi and no more than 300 psi
- If a component passes the Low Test, then test to the High Test Pressure
- Check each hole section for a specified High Test Pressure
- Do not test the annular preventer to a pressure higher than 70% of it's rated working pressure
  - The annular preventer will likely have a different test pressure than other components
- The annular preventer must be tested while closed on the smallest size DP planned for use
- Fixed size pipe rams must be tested while closed on the size pipe designed for use
- Variable size pipe rams (i.e. VBRs or Flex Rams) must be tested while closed on the smallest **and also** the largest size DP planned for use
- DO NOT test blind rams with test joint in BOP stack
- Be sure to winterize choke and kill lines and manifold after testing by drawing the lines and/or filling with methanol

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BOPE Testing Procedures

1 All BOPE testing to be done in accordance with Devon Well Control Manual.
- Carefully read Chapters 5 and 6 in particular for BOPE testing requirements
- Contact superintendent or engineer for a copy of the Devon Well Control Manual if needed

2 For each set of BOPE tests, follow the procedures below for the required tests.

3 Check the box for each test performed and fill in any required test data.

4 Scan in any and all test charts, forms, and paperwork to create electronic record of test

5 Email all test documents including this form to engineer (chris.gray@dvn.com).

6 Record all tests and their results on IADC and Devon Daily Drilling Reports, noting any corrections/repairs made

☐ Work String BOPE Pressure Integrity Tests

Frequncy: Upon initial rig up for each well, any BOPE tests, when replacing any equipment for size or connections changes, or every 21 days.

Documentation: Test Chart

- Work String BOPE components include anything that would be used to shut in the drill pipe- TIW, FOSV, IBOP, Kelly Cock Valves, etc
- Hold each test for 10 minutes and record on pressure chart
- Test each component with pressure on the bottom side only
- Make sure stand pipe is open to pits when testing against valves in kelly or top drive
- Check the rated working pressure for each component to be tested
- First, test to a Low Test Pressure of no less than 200 psi and no more than 300 psi
- If a component passes the Low Test, then test to the rated working pressure for that component
  - Do not test to a pressure higher than High Test Pressure for that hole section

☐ Circulating System Pressure Integrity Tests

Frequncy: Upon initial rig up for each well, any BOPE tests, after any breaks to pressure seals, or every 21 days.

NOTE: With permission from superintendent- can test only broken pressure seal instead of entire system (i.e. to change a valve, etc)

Documentation: Test Chart

- Circulating System equipment to be tested includes line from pumps to SP, SP manifold, SP, rotary hose, swivel, and kelly or top drive
- Hold each test for 10 minutes and record on pressure chart
- Check the rated working pressure for each component to be tested
- First, test to a Low Test Pressure of no less than 200 psi and no more than 300 psi
- If a component passes the Low Test, then test to the rated working pressure for that component
  - Do not test to a pressure higher than High Test Pressure for that hole section
  - Check with Drilling Contractor for test pressure limits on circulating equipment

☐ Casing Pressure Integrity Tests

Frequncy: Prior to drilling out from any newly set string of casing, or every 30 days

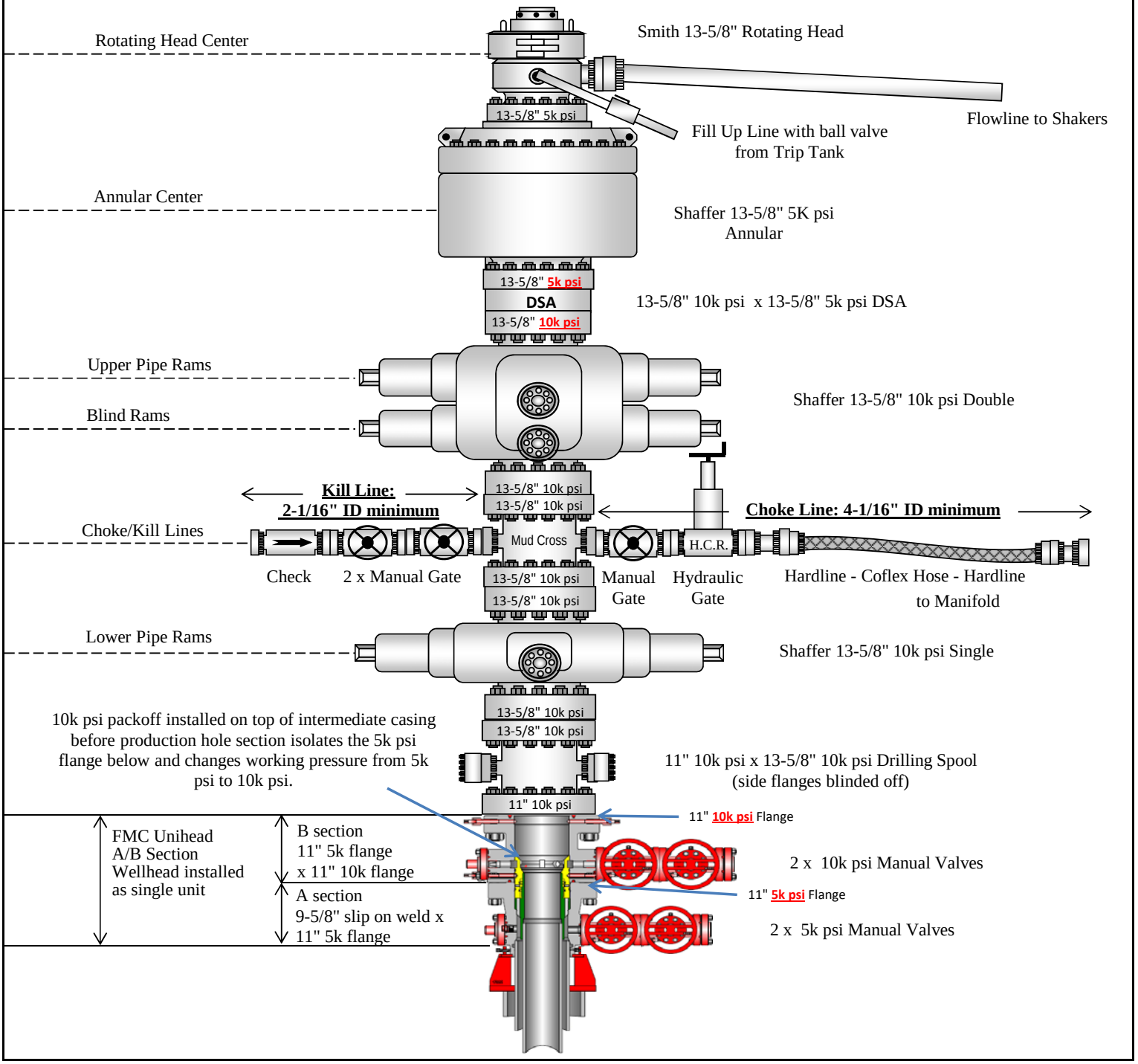
Documentation: Test Chart

- Devon requires casing test to 70% of casing burst pressure
- Check properties and density of fluid in the casing
- Confirm casing test pressure with engineer prior to testing
  - In some cases, if a weighted fluid is used to displace cement, a surface test pressure could cause casing to burst downhole
- Test pressure should be held for 30 minutes and recorded on a pressure chart
- A string of casing will pass the pressure test if no more than 10% of the original test pressure has leaked off after 30 minutes
- Contact your superintendent if the casing fails the pressure test
- Contact your superintendent and engineer when approaching the 30 day retest requirement.
  - A detailed procedure will be agreed upon and distributed to the rig

RECEIVED: May. 31, 2013

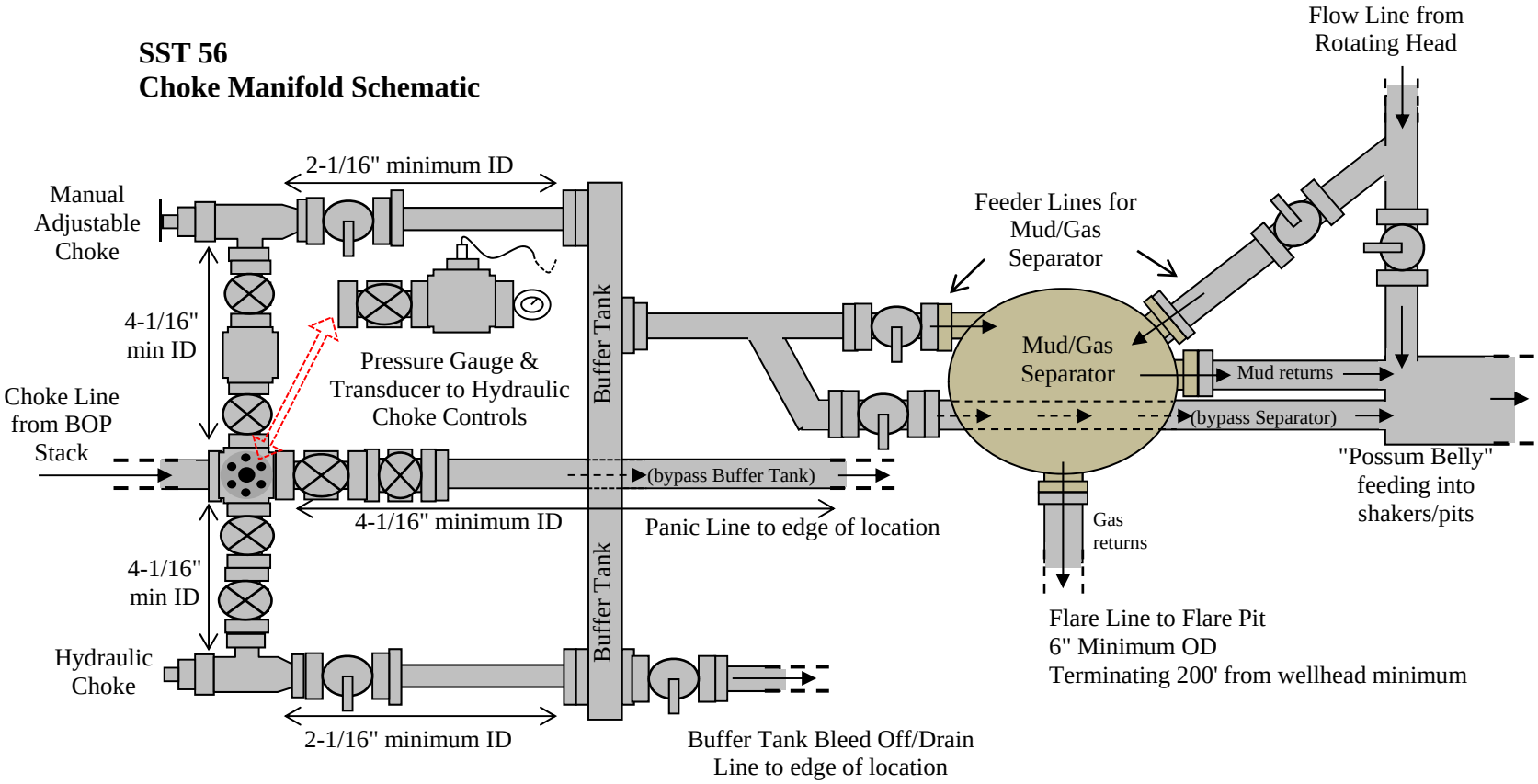
Rig: SST 56 BOP Stack Schematic

See attached document for additional BOP installation requirements.



RECEIVED: May. 31, 2013

SST 56
Choke Manifold Schematic



BOPE Test Pressures (psi)				
Component	Rated Psi	Low Test Psi	High Test Psi	
			12.25" Hole	8.5" Hole
Circulating System	5,000	250	5,000	5,000
Work String BOPE	10,000	250	5,000	10,000
Rotating Head	500	250	N/A	N/A
Annular	5,000	250	3,500	3,500
Double Ram	10,000	250	5,000	10,000
Mud Cross	10,000	250	5,000	10,000
Single Ram	10,000	250	5,000	10,000
Kill Line	10,000	250	5,000	10,000
Choke Line	10,000	250	5,000	10,000
Choke Manifold	10,000	250	5,000	10,000
Wellhead B Section	10,000	250	5,000	10,000
Wellhead A Section	10,000	250	5,000	N/A*

*A Section isolated from wellbore pressure after packoff installed
(see BOP stack schematic)

Closing Unit Info	
Manufacturer	Koomey
Model	T20160-3S
Working Pressure	3000 psi
Min Precharge	1000 psi
# of Bottles	16
Bottle Size	11 gal
Usable Fluid	88.0 gal
Reservoir Size	315 gal
Charge Pumps	1x Elect, 2x air

BOP Closing Fluid Volumes	
Annular	23.58 gal
Pipe Rams	10.58 gal
Blind Rams	10.58 gal
Pipe Rams	10.58 gal
HCR	1.0 gal
Total	**56.32** gal
Usable Fluid	88.0 gal
Safety Factor	**1.56**

Closing Unit Operating Parameters	
Max Operating Pressure	3000 psi
Min Operating Pressure	1200 psi
Main Manifold Working Pressure	1500 psi
Annular Manifold Working Pressure	1500 psi
Reservoir w/Pressurized System	1/2 full

RECEIVED: May. 31, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML- 22871

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
MECHAM #3-1B2

2. NAME OF OPERATOR:
DEVON ENERGY PROD CO LP

9. API NUMBER:
43013518440000

3. ADDRESS OF OPERATOR:
P.O. Box 290 8345 North 5125 West, Neola, UT, 84053

PHONE NUMBER:
405 228-4248 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1498 FSL 1079 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 01 Township: 02.0S Range: 02.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/19/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Devon would like to change casing design to the contingency design as approved with the original permit. There will be one change from the contingency design as we will set the 7” casing at a depth of 10,688’ instead of the 10,200’ that was approved. The top of cement for the 7” will not change and the top of liner for the 5” will not change.

Approved by the Utah Division of Oil, Gas and Mining

Date: August 02, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Patti Riechers	405 228-4248	Sr Staff Operations Technician
SIGNATURE		**DATE**
N/A		7/17/2013

RECEIVED: Jul. 17, 2013

Devon Energy Production Co., L.P.

07/17/2013

Proposed changes for Mecham 3-1B2:

Devon would like to change casing design to the contingency design as approved with the original permit. There will be one change from the contingency design as we will set the 7” casing at a depth of 10,688’ instead of the 10,200’ that was approved. The top of cement for the 7” will not change and the top of liner for the 5” will not change.

RECEIVED: Jul. 17, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

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5.LEASE DESIGNATION AND SERIAL NUMBER: ML- 22871

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
MECHAM #3-1B2

2. NAME OF OPERATOR:
DEVON ENERGY PROD CO LP

9. API NUMBER:
43013518440000

3. ADDRESS OF OPERATOR:
P.O. Box 290 8345 North 5125 West, Neola, UT, 84053

PHONE NUMBER:
405 228-4248 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1498 FSL 1079 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 01 Township: 02.0S Range: 02.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SPUD REPORT Date of Spud: 6/7/2013	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well spud on June 7, 2013.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 08, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Julie Patrick	405 228-8684	Regulatory Analyst
SIGNATURE		**DATE**
N/A		8/7/2013

RECEIVED: Aug. 07, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML- 22871

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
MECHAM #3-1B2

2. NAME OF OPERATOR:
DEVON ENERGY PROD CO LP

9. API NUMBER:
43013518440000

3. ADDRESS OF OPERATOR:
P.O. Box 290 8345 North 5125 West, Neola, UT, 84053

PHONE NUMBER:
405 228-4248 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1498 FSL 1079 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 01 Township: 02.0S Range: 02.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 8/7/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
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	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

13 3/8" surface casing set @ 1,090' 6/30/13: Drill to 5920. Mud Wt. 11.8 PPG.7/6/13: Ran 9 5/8" csg & landed @ 5,909' & cemented. 7/15/13: Drill to 9374'. 7/19/13 Drill to 10,688'. 7/21/13: Ran thrubit logging tools, tools stuck in HWDP, attempt to free tools with no success, released from tools and POH and recovered logging tools. TIH with drill pipe and ran thrubit tools and logged well. 7/23/13: Ran 7" csg & landed @ 10,688' & cemented. 7/28/13: Drill to 11,001', lost return flow. Pumped Acid soluble LCM sweeps to regain returns and resumed drilling ahead. 8/4/13: TD'd well @ 13,200'

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
August 08, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Julie Patrick	405 228-8684	Regulatory Analyst
SIGNATURE		**DATE**
N/A		8/7/2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML- 22871

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER: MECHAM #3-1B2

2. NAME OF OPERATOR:
DEVON ENERGY PROD CO LP

9. API NUMBER: 43013518440000

3. ADDRESS OF OPERATOR:
P.O. Box 290 8345 North 5125 West, Neola, UT, 84053

PHONE NUMBER: 405 228-4248 Ext

9. FIELD and POOL or WILDCAT: BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1498 FSL 1079 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 01 Township: 02.0S Range: 02.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11.
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TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ DRILLING REPORT Report Date:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 22, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Julie Patrick	405 228-8684	Regulatory Analyst
SIGNATURE		**DATE**
N/A		8/20/2013

RECEIVED: Aug. 22, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 7

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Mecham 3-1B2

API number: 4301351844

Well Location: QQ NESE Section 1 Township 2S Range 2W County Duchesne

Well operator: Devon Energy Production Company

Address: 333 West Sheridan Avenue

city Oklahoma City state OK zip 73102 Phone: (405) 228-8684

Drilling contractor: SST Energy Corporation

Address: 8901 West Yellowstone Hwy

city Casper state WY zip 82604 Phone: (307) 473-1289

Water encountered (attach additional pages as needed):

DEPTH		VOLUME	QUALITY
FROM	TO	(FLOW RATE OR HEAD)	(FRESH OR SALTY)
1,397'	unknown	unknown rate; shut-in with 320 PSI.	fresh

Formation tops: (Top to Bottom)

1	Uinta: 18'-1000'	2		3	
4		5		6	
7		8		9	
10		11		12	

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Julie Carlson TITLE Regulatory Analyst

SIGNATURE Julie Carlson DATE 8/20/2013

(5/2000)

WBM CHECKS

Operator: **devon**

Well: **Mecham 3-1B2**

DATE	8/13/2013							
TIME	2:00 PM							
DEPTH	n/a							
SOURCE	13.375 Casing							
SUCTION TEMP	n/a							
FLOWLINE TEMP	n/a							
MW	8.35							
VIS	27							
Pm	2.9							
Pf/Mf	2.9 / 3							
Cl	600							
Total Hardness	20							
MBT	0							
pH	12.1							
%Sand	0							
600	5							
300	3							
PV	2							
YP	1							

Operations Description of the Events Surrounding the Water Flow

Mecham 3-1B2
API# 43-013-51844

6/7/13- Well spud using PrePetro Rig 10

6/8/13- 13-3/8" surface casing set at 1090', cemented to surface

6/15/13- began moving SST Rig 56 on to finish drilling well

6/24/13- Began drilling 12-1/4" hole out from under 13-3/8" surface casing

6/25/13- Noticed Water flow while making connection at 1397', 8.9 ppg mud in hole, shut in well with 80 psi at surface, raised mud weight to 10.0 ppg, notified DNR representative Dennis Ingram of water flow and operations, well still flowing, drilled 1 more stand and raised mud weight to 10.5 ppg, well still flowing while making connection at 1490', continue drilling while raising mud weight to 11.7 ppg which killed water flow

6/30/13- TD'd 12-1/4" intermediate hole at 5920', well began flowing when circulating before TOOH, raised mud weight from 11.7 to 11.8 ppg

7/3/13- While reaming 12-1/4" hole to condition for logging, well started flow (swabbed in while working tight spot), raised mud to 12.1 ppg

7/4/13- Still reaming hole, well started to flow again (swabbed in again), raised mud to 12.3 ppg, well quit flowing, had lost circulation before TOOH, treated with LCM and regained 100% returns

7/6/13- Ran 9-5/8" intermediate casing to setting depth of 5909'

7/7/13- Cemented 9-5/8" casing to surface with full returns (564 bbls of 12.5 ppg lead and 74 bbls of 15.8 ppg tail)

7/8/13- WOC for 4 hours while monitoring well, well began flowing after 4 hrs, shut in well against 9-5/8" casing rams, well had 100 psi at surface, opened casing rams and pumped water through BOP stack to clear cement, shut in well, well had 150 psi at surface, notified DNR representative Dennis Ingram of current operations, WOC for 11 more hours (17 total at this point), well had 260 psi at surface, bled off pressure and 2 bbls of water from well, shut well back in, pressure instantly built up to 250 psi again, opened up casing rams and diverted water flow to reserve pit while installing 9-5/8" x 13-3/8" 10k psi wellhead packoff on top of mandrel hanger which isolated the pressure to the 9-5/8" x 13-3/8" annulus, well flowed approximately 60 bbls of water @ 1bpm during this time, annulus pressure built up to 320 psi and has maintained this pressure to date.

RECEIVED: Aug. 20, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: ML- 22871

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER: MECHAM #3-1B2

2. NAME OF OPERATOR:
DEVON ENERGY PROD CO LP

9. API NUMBER: 43013518440000

3. ADDRESS OF OPERATOR:
P.O. Box 290 8345 North 5125 West, Neola, UT, 84053

PHONE NUMBER: 405 228-4248 Ext

9. FIELD and POOL or WILDCAT: BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1498 FSL 1079 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 01 Township: 02.0S Range: 02.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ DRILLING REPORT Report Date:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
September 27, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Julie Patrick	405 228-8684	Regulatory Analyst
SIGNATURE		**DATE**
N/A		8/20/2013

RECEIVED: Sep. 13, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 7

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Mecham 3-1B2

API number: 4301351844

Well Location: QQ NESE Section 1 Township 2S Range 2W County Duchesne

Well operator: Devon Energy Production Company

Address: 333 West Sheridan Avenue

city Oklahoma City state OK zip 73102 Phone: (405) 228-8684

Drilling contractor: SST Energy Corporation

Address: 8901 West Yellowstone Hwy

city Casper state WY zip 82604 Phone: (307) 473-1289

Water encountered (attach additional pages as needed):

DEPTH		VOLUME	QUALITY
FROM	TO	(FLOW RATE OR HEAD)	(FRESH OR SALTY)
1,397'	unknown	unknown rate; shut-in with 320 PSI.	fresh

Formation tops: (Top to Bottom)

1	Uinta: 18'-1000'	2		3	
4		5		6	
7		8		9	
10		11		12	

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Julie Carlson TITLE Regulatory Analyst

SIGNATURE Julie Carlson DATE 8/20/2013

(5/2000)

WBM CHECKS

Operator: **devon**

Well: **Mecham 3-1B2**

DATE	8/13/2013							
TIME	2:00 PM							
DEPTH	n/a							
SOURCE	13.375 Casing							
SUCTION TEMP	n/a							
FLOWLINE TEMP	n/a							
MW	8.35							
VIS	27							
Pm	2.9							
Pf/Mf	2.9 / 3							
Cl	600							
Total Hardness	20							
MBT	0							
pH	12.1							
%Sand	0							
600	5							
300	3							
PV	2							
YP	1							

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML- 22871

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
MECHAM #3-1B2

2. NAME OF OPERATOR:
DEVON ENERGY PROD CO LP

9. API NUMBER:
43013518440000

3. ADDRESS OF OPERATOR:
P.O. Box 290 8345 North 5125 West, Neola, UT, 84053

PHONE NUMBER:
405 228-4248 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1498 FSL 1079 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 01 Township: 02.0S Range: 02.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 7/8/2013	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Upon the request of Dustin Doucet, Devon Energy Production is submitting a sundry notice due to hitting water flow while drilling. Please find attached the Form 7, WBM Checks, and the Operations Descripton of the Events Surrounding the Water Flow. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
September 27, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Julie Patrick	405 228-8684	Regulatory Analyst
SIGNATURE		**DATE**
N/A		8/20/2013

RECEIVED: Aug. 20, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 7

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Mecham 3-1B2

API number: 4301351844

Well Location: QQ NESE Section 1 Township 2S Range 2W County Duchesne

Well operator: Devon Energy Production Company

Address: 333 West Sheridan Avenue

city Oklahoma City state OK zip 73102 Phone: (405) 228-8684

Drilling contractor: SST Energy Corporation

Address: 8901 West Yellowstone Hwy

city Casper state WY zip 82604 Phone: (307) 473-1289

Water encountered (attach additional pages as needed):

DEPTH		VOLUME	QUALITY
FROM	TO	(FLOW RATE OR HEAD)	(FRESH OR SALTY)
1,397'	unknown	unknown rate; shut-in with 320 PSI.	fresh

Formation tops: (Top to Bottom)

1	Uinta: 18'-1000'	2		3	
4		5		6	
7		8		9	
10		11		12	

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Julie Carlson TITLE Regulatory Analyst

SIGNATURE Julie Carlson DATE 8/20/2013

(5/2000)

WBM CHECKS

Operator: **devon**

Well: **Mecham 3-1B2**

DATE	8/13/2013							
TIME	2:00 PM							
DEPTH	n/a							
SOURCE	13.375 Casing							
SUCTION TEMP	n/a							
FLOWLINE TEMP	n/a							
MW	8.35							
VIS	27							
Pm	2.9							
Pf/Mf	2.9 / 3							
Cl	600							
Total Hardness	20							
MBT	0							
pH	12.1							
%Sand	0							
600	5							
300	3							
PV	2							
YP	1							

Operations Description of the Events Surrounding the Water Flow

Mecham 3-1B2
API# 43-013-51844

6/7/13- Well spud using PrePetro Rig 10

6/8/13- 13-3/8" surface casing set at 1090', cemented to surface

6/15/13- began moving SST Rig 56 on to finish drilling well

6/24/13- Began drilling 12-1/4" hole out from under 13-3/8" surface casing

6/25/13- Noticed Water flow while making connection at 1397', 8.9 ppg mud in hole, shut in well with 80 psi at surface, raised mud weight to 10.0 ppg, notified DNR representative Dennis Ingram of water flow and operations, well still flowing, drilled 1 more stand and raised mud weight to 10.5 ppg, well still flowing while making connection at 1490', continue drilling while raising mud weight to 11.7 ppg which killed water flow

6/30/13- TD'd 12-1/4" intermediate hole at 5920', well began flowing when circulating before TOOH, raised mud weight from 11.7 to 11.8 ppg

7/3/13- While reaming 12-1/4" hole to condition for logging, well started flow (swabbed in while working tight spot), raised mud to 12.1 ppg

7/4/13- Still reaming hole, well started to flow again (swabbed in again), raised mud to 12.3 ppg, well quit flowing, had lost circulation before TOOH, treated with LCM and regained 100% returns

7/6/13- Ran 9-5/8" intermediate casing to setting depth of 5909'

7/7/13- Cemented 9-5/8" casing to surface with full returns (564 bbls of 12.5 ppg lead and 74 bbls of 15.8 ppg tail)

7/8/13- WOC for 4 hours while monitoring well, well began flowing after 4 hrs, shut in well against 9-5/8" casing rams, well had 100 psi at surface, opened casing rams and pumped water through BOP stack to clear cement, shut in well, well had 150 psi at surface, notified DNR representative Dennis Ingram of current operations, WOC for 11 more hours (17 total at this point), well had 260 psi at surface, bled off pressure and 2 bbls of water from well, shut well back in, pressure instantly built up to 250 psi again, opened up casing rams and diverted water flow to reserve pit while installing 9-5/8" x 13-3/8" 10k psi wellhead packoff on top of mandrel hanger which isolated the pressure to the 9-5/8" x 13-3/8" annulus, well flowed approximately 60 bbls of water @ 1bpm during this time, annulus pressure built up to 320 psi and has maintained this pressure to date.

RECEIVED: Aug. 20, 2013

API Well Number: 43013518440000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: Mecham 3-1B2

2. NAME OF OPERATOR: Devon Energy Production Co., L.P.

9. API NUMBER: 4301351844

3. ADDRESS OF OPERATOR: 333 West Sheridan Ave. CITY Oklahoma City STATE OK ZIP 73102

PHONE NUMBER: (405) 228-8684

10 FIELD AND POOL, OR WILDCAT: Bluebell

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1498' FSL & 1079' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1498' FSL & 1079' FEL
AT TOTAL DEPTH: 1498' FSL & 1079' FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 1 2S 2W U

12. COUNTY: Duchesne

13. STATE: UTAH

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED:			17. ELEVATIONS (DF, RKB, RT, GL):
6/7/2013	8/4/2013	9/8/2013	ABANDONED ☐	READY TO PRODUCE ☑	5267

18. TOTAL DEPTH: MD 13,200 TVD	19. PLUG BACK T.D.: MD TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
GR/Bulk Density/Spectral Density/Dual Spaced Neutron/Caliper/CBL log/Array Induction/Waveform Sonic

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17 1/2	13 3/8 k-55	61#	0	1,090		class G 1197		CIRC	
12 1/4	9 5/8 P-110HC	40#	0	5,909		class H 2325		CIRC	
8 3/4	7 P-110	29#	0	10,688		class G 1233		CALC	
6 1/8	5 HCQ-125	18#	9,878	13,200		class G 215		CALC	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	9,992							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) L. Green River	10,017	10,238		
(B) Wasatch	10,276	13,086		
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
10,017 13,086	3 1/8	392	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

WAS WELL HYDRAULICALLY FRACTURED? YES ☑ NO ☐ IF YES -- DATE FRACTURED: 9/12/2013

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
10,017'- 13,086'	FRAC w/ 23,230 BBLS FLUID + 1,042,780 # PROPPANT

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: producing

(5/2013)

(CONTINUED ON BACK)

RECEIVED: Nov. 11, 2013

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
9/8/2013	9/11/2013	24		187	400	78	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
14	1,000						187	400	78	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. 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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
L. Green River	10,017	10,238		Lower Green River	9,001
Wasatch	10,276	13,086		Wasatch	10,271

35. ADDITIONAL REMARKS (Include plugging procedure)

LOGS PREVIOUSLY SUBMITTED.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) JULIE CARLSON TITLE REGULATORY ANALYST

SIGNATURE Julie Carlson DATE 10/10/2013

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2013)

RECEIVED: Nov. 11, 2013

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **8/29/2014**

FROM: (Old Operator):	**TO:** (New Operator):
DEVON ENERGY PRODUCTION COMPANY L.P. N1275	LINN OPERATING INC N4115
333 WEST SHERIDAN AVENUE	1999 BROADWAY STE 3700
OKLAHOMA CITY OK 73102-5015	DENVER CO 80202
	303-999-4275

CA No. **Unit:** N/A

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/16/2014
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/16/2014
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 10/8/2014
4a. Is the new operator registered in the State of Utah: _____ Business Number: 9031632-0143
5a. (R649-9-2)Waste Management Plan has been received on: Yes
5b. Inspections of LA PA state/fee well sites complete on: N/A
5c. Reports current for Production/Disposition & Sundries on: 10/8/2014
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM NOT YET BIA NOT YET
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/24/2014

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 10/8/2014
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 10/8/2014
3. Bond information entered in RBDMS on: 10/8/2014
4. Fee/State wells attached to bond in RBDMS on: 10/8/2014
5. Injection Projects to new operator in RBDMS on: N/A
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 10/8/2014
7. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 9/16/2014

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: NMB000501
2. Indian well(s) covered by Bond Number: NMB000501
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM9149893
3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 10/8/2014

COMMENTS:

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115
Effective 8/29/2014

Well Name	Section	Township	Range AP	API Number	Entity	Mineral Lease	Well Type	Well Status
SWD 4-11A2	11	010S	020W	4301320255	99990	Fee	WD	A
VIRGIL MECHAM 1-11A2	11	010S	020W	4301330009	5760	Fee	WD	A
1-3A2	3	010S	020W	4301330021	99990	Fee	WD	A
BLUEBELL 2-28A2	28	010S	020W	4301330346	99990	Fee	WD	A
SALERATUS 2-17C5	17	030S	050W	4301330388	99990	Fee	WD	A
CENTRAL BLUEBELL 2-26A2	26	010S	020W	4301330389	99990	Fee	WD	A
BALLARD 2-15B1	15	020S	010W	4304732351	11476	Fee	WD	A
GALLOWAY #3-14B2	14	020S	020W	4301351741		Fee	OW	APD
GALLOWAY #3-12B2	12	020S	020W	4301351742		Fee	OW	APD
GALLOWAY 4-14B2	14	020S	020W	4301351818		Fee	OW	APD
MORRIS #3-8B1	8	020S	010W	4301351836		State	OW	APD
FRITZ #3-24A2	24	010S	020W	4301351837		Fee	OW	APD
GALLOWAY #2-14B2	14	020S	020W	4301351739	19044	Fee	OW	DRL
EMERALD 2-32A1	32	010S	010W	4301350059	17980	Fee	OW	OPS
CLYDE MURRAY 1-2A2	2	010S	020W	4301330005	5876	Fee	OW	P
VICTOR C BROWN 1-4A2	4	010S	020W	4301330011	5780	Fee	OW	P
DOUG BROWN 2-4A2	4	010S	020W	4301330017	5840	Fee	OW	P
L BOREN U 3-15A2	15	010S	020W	4301330086	5755	Fee	OW	P
LAMICQ-URTY U 3-17A2	17	010S	020W	4301330099	5745	Fee	OW	P
L BOREN U 5-22A2	22	010S	020W	4301330107	5900	Fee	OW	P
L BOREN U 4-23A2	23	010S	020W	4301330115	5905	Fee	OW	P
TOMLINSON FED 1-25A2	25	010S	020W	4301330120	5535	Federal	OW	P
WOODWARD 1-21A2	21	010S	020W	4301330130	5665	Fee	OW	P
LAMICQ 1-20A2	20	010S	020W	4301330133	5400	Fee	GW	P
L RBRTSN ST 1-1B2	1	020S	020W	4301330200	5410	State	OW	P
SMITH ALBERT 1-8C5	8	030S	050W	4301330245	5490	Fee	OW	P
FRESTON ST 1-8B1	8	020S	010W	4301330294	5345	Fee	OW	P
GEORGE MURRAY 1-16B1	16	020S	010W	4301330297	5950	Fee	OW	P
LAMICQ-URTY U 4-5A2	5	010S	020W	4301330347	5845	Fee	OW	P
H G COLTHARP 1-15B1	15	020S	010W	4301330359	5945	Fee	OW	P
STATE 3-18A1	18	010S	010W	4301330369	5810	Fee	OW	P
LAMICQ 2-6B1	6	020S	010W	4301330809	2301	Fee	OW	P
DILLMAN 2-28A2	28	010S	020W	4301330821	5666	Fee	OW	P
HAMBLIN 2-26-A2	26	010S	020W	4301330903	5361	Fee	OW	P
JOHN 2-3-B2	3	020S	020W	4301330975	5387	Fee	OW	P
LAMICQ-ROBERTSON ST 2-1B2	1	020S	020W	4301330995	5412	Fee	OW	P
UTE TRIBAL 2-7A2	7	010S	020W	4301331009	5836	Indian	OW	P
HATCH 2-3B1	3	020S	010W	4301331147	10615	Fee	OW	P
NORLING 2-9B1	9	020S	010W	4301331151	10616	Fee	OW	P
SHAW 2-27A2	27	010S	020W	4301331184	10753	Fee	OW	P
LAMICQ-URRITY 4-17A2	17	010S	020W	4301331190	10764	Fee	OW	P
LAMICQ 2-20A2	20	010S	020W	4301331191	10794	Fee	OW	P
FRESTON 2-8B1	8	020S	010W	4301331203	10851	Fee	OW	P
WISSE 3-35A2	35	010S	020W	4301331215	10925	Fee	OW	P
MECCA 2-8A2	8	010S	020W	4301331231	10981	Fee	OW	P
SWYKES 2-21A2	21	010S	020W	4301331235	10998	Fee	OW	P
SHERMAN 2-12B2	12	020S	020W	4301331238	11009	Fee	OW	P
DUNCAN 4-2A2	2	010S	020W	4301331276	11258	Fee	GW	P
HAMBLIN 3-9A2	9	010S	020W	4301331278	11094	Fee	GW	P
BAR-F 2-5B1	5	020S	010W	4301331286	11113	Fee	OW	P
SMITH 2-9C5	9	030S	050W	4301331321	11245	Fee	OW	P
LORANGER 2-24A2	24	010S	020W	4301331322	11244	Fee	OW	P
UTE 2-6B3	6	020S	030W	4301331325	11446	Indian	OW	P
MCELPRANG 2-30A1	30	010S	010W	4301331326	11252	Fee	OW	P

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115
Effective 8/29/2014

Well Name	Section	Township	Range AP	API Number	Entity	Mineral Lease	Well Type	Well Status
SMITH 2-7C5	7	030S	050W	4301331327	11324	Indian	OW	P
SMITH 2-18C5	18	030S	050W	4301331328	11336	Indian	OW	P
UTE 2-24A3	24	010S	030W	4301331329	11339	Indian	OW	P
UTE 5-19A2	19	010S	020W	4301331330	11277	Indian	OW	P
EDWARDS 3-10B1	10	020S	010W	4301331332	11264	Fee	OW	P
SUNDANCE 4-15A2	15	010S	020W	4301331333	11269	Fee	OW	P
LORANGER 6-22A2	22	010S	020W	4301331334	11335	Fee	OW	P
COX 2-36A2	36	010S	020W	4301331335	11330	Fee	OW	P
SMITH 2-6C5	6	030S	050W	4301331338	11367	Indian	OW	P
FRESTON 2-7B1	7	020S	010W	4301331341	11338	Fee	OW	P
PEARSON 2-11B2	11	020S	020W	4301331356	11359	Fee	OW	P
CHAPMAN 2-4B2	4	020S	020W	4301331378	11485	Fee	OW	P
LAMB 2-16A2	16	010S	020W	4301331390	11487	Fee	OW	P
LABRUM 2-23A2	23	010S	020W	4301331393	11514	Fee	OW	P
POWELL 2-16B1	16	020S	010W	4301331820	12342	Fee	OW	P
BOWMAN 5-5A2	5	010S	020W	4301332202	13043	Fee	OW	P
BOREN 4-9A2	9	010S	020W	4301332203	13079	Fee	OW	P
BLANCHARD 3-10A2	10	010S	020W	4301332223	13149	Fee	OW	P
SQUIRES 3-8A2	8	010S	020W	4301332227	13176	Fee	OW	P
BROWN 3-4A2	4	010S	020W	4301332684	14673	Fee	OW	P
GALLOWAY 3-11B2	11	020S	020W	4301334304	18527	Fee	OW	P
OWL AND THE HAWK 3-9C5	9	030S	050W	4301351214	18649	Fee	OW	P
Bingham #3-4B1	4	020S	010W	4301351464	18825	Fee	OW	P
RED MOUNTAIN 3-5B1	5	020S	010W	4301351632	18954	Fee	OW	P
MECHAM #3-1B2	1	020S	020W	4301351844	19082	State	OW	P
MIKE AND SHELLEY #3-4B2	4	020S	020W	4301351845	19083	Fee	OW	P
RBRTSN UTE ST 1-12B1	12	020S	010W	4304730164	5475	Fee	OW	P
MAY UTE FED 1-13B1	13	020S	010W	4304730176	5435	Fee	OW	P
COOK 1-26B1	26	020S	010W	4304731981	11212	Fee	OW	P
CHRISTIANSEN 2-12B1	12	020S	010W	4304732178	11350	Fee	OW	P
RICH 2-13B1	13	020S	010W	4304732744	12046	Fee	OW	P
THOMAS 4-10B1	10	020S	010W	4304734080	13284	Fee	OW	P
HAMAKER 3-12B1	12	020S	010W	4304752294	18650	Fee	OW	P
BETTS 2-26B1	26	020S	010W	4304752435	18698	Fee	OW	P
STATE 1-10A2 (3-10C)	10	010S	020W	4301330006	5860	State	GW	S
L BOREN U 6-16A2	16	010S	020W	4301330123	5750	Fee	OW	S
UTE TRIBAL 1-6B3	6	020S	030W	4301330136	5705	Indian	OW	S
MAUREL TAYLOR FEE 1-36A2	36	010S	020W	4301330143	5525	Fee	OW	S
CAMPBELL UTE ST 1-7B1	7	020S	010W	4301330236	5295	Indian	OW	S
D L GALLOWAY 1-14B2	14	020S	020W	4301330564	5965	Fee	OW	S
MARK 2-25A2	25	010S	020W	4301331232	10986	Fee	OW	S
MITCHELL 2-4B1	4	020S	010W	4301331317	11231	Fee	OW	S

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER See Attached Well List

8. WELL NAME and NUMBER: See Attached Well List

2. NAME OF OPERATOR: LINN OPERATING, INC N4115

9. API NUMBER:

3. ADDRESS OF OPERATOR: 1999 Broadway, Suite 3700 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 999-4275

10. FIELD AND POOL, OR WILDCAT: Bluebell/Altamont

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: Duchsene/Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: CHANGE OF OPERATOR
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893.

Attached is a list of wells that are associated with this Change of Operator.

Devon Energy Production Company, LP N1275
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

John D. Raines
Vice President

RECEIVED
SEP 16 2014
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Russell des Cognets II TITLE Asset Manager

SIGNATURE R des Cognets DATE 9/8/14

(This space for State use only)

APPROVED

OCT 08 2014

DIV. OIL GAS & MINING

BY: Rachel Medina

(5/2000) (See Instructions on Reverse Side)

Devon Energy Production Company, LP
Exisiting Well List for State/Fee/Indian Leases

Well Name	API #	Legal Location	Producing Status	Well Type	Lease Type	Field	State	County
BAR F 2-5B1	430133128600	005-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BINGHAM 3-4B1	430135146400	004-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BLANCHARD 3-10A2	430133222300	010-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 1-14A2	430133003500	014-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 3-11A2	430133119200	011-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 3-15A2	430133008600	015-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 4-23A2	430133011500	023-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 4-9A2	430133220300	009-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 5-22A2	430133010700	022-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 6-16A2	430133012300	016-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOWMAN 5-5A2	430133220200	005-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN DOUG 2-4A2	430133001700	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN VICTOR C 1-4A2	430133001100	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN 3-4A2	430133268400	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CAMPBELL UTE ST 1-7B1	430133023600	007-002S-001W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
CHAPMAN 2-4B2	430133137800	004-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CLYDE MURRAY 1-2A2	430133000500	002-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
COLTHARP 1-15B1	430133035900	015-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CORNABY 2-14A2 (RECOMP)	430133129900	014-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
COX 2-36A2	430133133500	036-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
DILLMAN 2-28A2	430133082100	028-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
DUNCAN 4-2A2	430133127600	002-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
EDWARDS 3-10B1	430133133200	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON STATE 1-8B1	430133029400	008-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON 2-7B1	430133134100	007-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON 2-8B1	430133120300	008-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 1-14B2	430133056400	014-002S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 3-11B2	430133430400	011-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HAMBLIN 2-26A2	430133090300	026-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HAMBLIN 3-9A2	430133127800	009-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HATCH 2-3B1	430133114700	003-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
JOHN 2-3B2	430133097500	003-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LABRUM 2-23A2	430133139300	023-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMB 2 16A2	430133139000	016-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ ROBERTSON 1-1B2	430133020000	001-002S-002W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE

LAMICQ ROBERTSON 2-1B2	430133099500	001-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 3-17A2	430133009900	017-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 4-17A2	430133119000	017-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 4-5A2	430133034700	005-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 1-20A2	430133013300	020-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 2-20A2	430133119100	020-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 2-6B1	430133080900	006-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LORANGER 2-24A2	430133132200	024-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LORANGER 6-22A2	430133133400	022-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MARK 2 25A2	430133123200	025-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MCELPRANG 2-30A1	430133132600	030-001S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECCA 2-8A2	430133123100	008-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECHAM VIRGIL B 1-11A2 SWD	430133000900	011-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECHAM 3-1B2	430135184400	1-2S-2W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
MIKE AND SHELLEY 3-4B2	430135184500	4-2S-2W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MITCHELL 2-4B1	430133131700	004-002S-001W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MURRAY GEORGE 1-16B1	430133029700	016-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
NORLING 2-9B1	430133115100	009-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
OWL AND THE HAWK 3-9C5	430135121400	9-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
PEARSON 2-11B2	430133135600	011-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
POWELL 2 16B1	430133182000	016-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
RED MOUNTAIN 3-5B1	430135163200	05-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SHAW 2-27A2	430133118400	027-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SHERMAN 2-12B2	430133123800	012-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH ALBERT 1-8C5	430133024500	008-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-18C5	430133132800	018-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-6C5	430133133800	006-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-7C5	430133132700	007-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-9C5	430133132100	009-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SQUIRES 3-8A2	430133222700	008-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
STATE 1-10A2	430133000600	010-001S-002W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
STATE 3-18A1	430133036900	018-001S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SUNDANCE 4 15A2 (BOREN)	430133133300	015-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD ANDERSON 2-28A2	430133034600	028-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD HAMBLIN 2-26A2	430133038900	026-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD SALERATUS 2-17C5	430133038800	017-003S-005W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD 1-3A2	430133002100	003-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD 4-11A2	430132025500	011-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE

SWYKES 2 21A2	430133123500	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TAYLOR MAUREL FEE 1-36A2	430133014300	036-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TOMLINSON 1 25A2	430133012000	025-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 2-7A2	430133100900	007-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 5-19A2	430133133000	019-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 1-6B3	430133013600	006-002S-003W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-24A3	430133132900	024-001S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-6B3	430133132500	006-002S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
WISSE 3-35A2	430133121500	035-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
WOODWARD 1-21A2	430133013000	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BALLARD 2-15B1 SWD	430473235100	015-002S-001W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	UINTAH
BETTS 2-26B1	430475243500	26-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
CHRISTENSEN 2-12B1	430473217800	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
COOK 1-26B1	430473198100	026-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
HAMAKER 3-12B1	430475229400	12-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
MAY UTE FED 1-13B1	430473017600	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
RICH 2-13B1	430473274400	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
ROBERTSON UTE STATE 1-12B1	430473016400	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
THOMAS 4-10B1	430473408000	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH

RECEIVED
SEP 16 2014
DIV. OF OIL, GAS & MINING

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER See Attached Well List

8. WELL NAME and NUMBER: See Attached Well List

2. NAME OF OPERATOR: LINN OPERATING, INC

9. API NUMBER:

3. ADDRESS OF OPERATOR: 1999 Broadway, Suite 3700 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 999-4275

10. FIELD AND POOL, OR WILDCAT: Bluebell/Altamont

4. LOCATION OF WELL

FOOTAGES AT SURFACE: [redacted]

COUNTY: Duchsene

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: [redacted]

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: CHANGE OF OPERATOR
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893 .

Attached is a list of Applications for Permit to Drill (APD) that are associated with this Change of Operator.

Devon Energy Production Company, LP
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

John D. Raines
Vice President

NAME (PLEASE PRINT) Russell des Cognets II TITLE Asset Manager

SIGNATURE [signature] DATE 9/08/14

(This space for State use only)

APPROVED

OCT 08 2014

DIV. OIL GAS & MINING

BY: Rachael Medina

RECEIVED

SEP 16 2014

DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: Misc.

2. NAME OF OPERATOR: LINN OPERATING, INC.

9. API NUMBER:

3. ADDRESS OF OPERATOR: 1999 Broadway, Ste #3700 CITY Denver STATE CO ZIP 80202

PHONE NUMBER: (303) 999-4016

10. FIELD AND POOL, OR WILDCAT: Bluebell

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 14 1S 2W

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Excluded wells from Change of Operator
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Do not process Change of Operator from Devon Energy Production Company, LP to LINN Operating, Inc. for the following wells.

43-013-31192	BOREN 3-11A2	Oil Well	Producing	BLUEBELL	DUCHESNE	1S-2W	Sec 11
43-013-51846	MIKE AND SHELLEY #4-14A2	Oil Well	Approved permit (APD)	BLUEBELL	DUCHESNE	1S-2W	Sec14
43-013-31299	CORNABY 2-14A2	Oil Well	Producing	BLUEBELL	DUCHESNE	1S-2W	Sec 14
43-013-30035	FLY/DIA L BOREN 1-14A2	Oil Well	Shut-In	BLUEBELL	DUCHESNE	1S-2W	Sec 14

The Devon transaction to Linn Energy allowed EP Energy to exercise their preferential right to purchase the leases and wells in Sections 11 amd 14 of T1S, 2W so EP Energy now owns these wells.

NAME (PLEASE PRINT) Debbie Chan TITLE Reg. Compliance Supervisor

SIGNATURE DATE 9/23/2014

(This space for State use only)

RECEIVED
SEP 23 2014
Div. of Oil, Gas & Mining

(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML- 22871

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
MECHAM #3-1B2

2. NAME OF OPERATOR:
LINN OPERATING, INC.

9. API NUMBER:
43013518440000

3. ADDRESS OF OPERATOR:
Rt. 2 Box 7735 , Roosevelt, UT, 84066

PHONE NUMBER:
435 722-1325 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1498 FSL 1079 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 01 Township: 02.0S Range: 02.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 2/1/2016	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Water Isolation

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

LINN Operating, Inc. is requesting permission to set an isolation packer assembly from 10,000'-10,250' for the purpose of water isolation on the Mecham 3-1B2. Proposed operations procedure and wellbore diagram are attached for review.

Approved by the
Utah Division of
Oil, Gas and Mining
January 28, 2016
Date:
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andrea Gurr	435 722-1325	Regulatory & Permit Tech
SIGNATURE		**DATE**
N/A		1/28/2016

RECEIVED: Jan. 28, 2016

LINN Energy

MECHAM 3-1B2 WATER SHUT OFF PROCEDURE **Date: 1/28/2016**

WELL HEADER/GENERAL INFORMATION						
Well Name	**API #**	**KB**	**S CSG Shoe**	**Prod CSG Size**	**PBTD**	**EST TOC F/CBL**
MECHAM 3-1B2	43013518440000	22.5	5,920	7" 29# P-110 with 5" 18# HCQ-125 LINER	13,120	

NOTE: All depths in program from KB - see attachments for WB Diagram & perf details

SUMMARY OF PROCEDURE GOALS/JUSTIFICATIONS:

LINN Operating, Inc. is requesting permission to set an isolation packer assembly from 10,000'-10,250' for the purpose of water isolation.

GENERAL PROPOSED PROCEDURE:

1. MIRU workover rig.
2. Soft seat pump and pressure test tubing to 7,000 psi
3. POOH with rods/pump
4. NU BOP's test per SOPs
6. Unset TAC and POOH with TBG hot oiling to clean hole.
7. MU straddle packer assembly and RIH and set in 5" 18# Liner (5in Packers with 2-3/8" Tubing in Between)
   a. Set bottom packer at 10,250' (In 5" Liner)
   b. Set top packer at 10,000' (In 5" Liner)
9. POOH with tubing.
10. RIH with tubing and set PSN @ ~9,796'
11. RIH with rods/pump
12. PWOP

PERFS FOR MECHAM 3-1B2					
Top (ftKB)	**Btm (ftKB)**	**Zone**	**# Perfs**	**Current Status**	**Individual perfs/Notes**
10,017.00	10,238.00	Lower Green River	28	Open	Isolated behind straddle assembly with this work.
10,276.00	13,086.00	Lower Green River	332	Open	Producing
TOTAL PERFS			**360**	**Open**	

RECEIVED: Jan. 28, 2016

WELLBORE FOR MECHAM 3-1B2 WATER SHUT OFF PROCEDURE

MECHAM 3-1B2 , 43013518440000

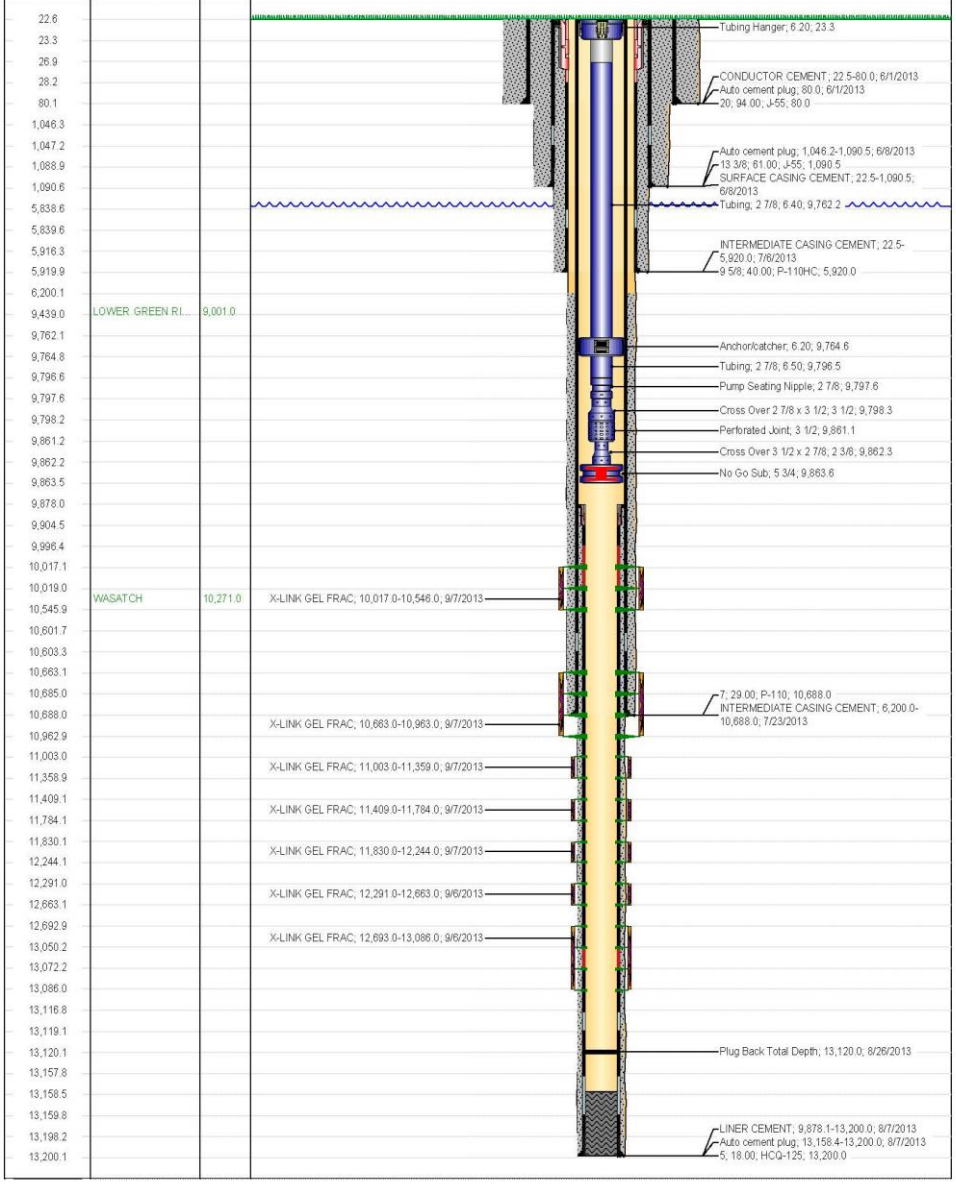
API/UWI	State/Province	Field Name
43013518440000	UT	UNTA - ALTAMONT BLUEBELL OP

Ground Elevation (ft)	Original KB Elevation (ft)	KB-Ground Distance (ft)	On Production Date	PBTD (All) (ftKB)
5,267.00	5,289.50	22.50	9/8/2013	Original Hole - 13,120.0

Contact Name	Title	Department

VERTICAL - Original Hole, 1/28/2016 3:44:57 PM

MD (ftKB)	Zones	Zone Depth
22.6		
23.3		
26.9		
28.2		
80.1		
1,046.3		
1,047.2		
1,088.9		
1,090.6		
5,838.6		
5,839.6		
5,916.3		
5,919.9		
6,200.1		
9,439.0	LOWER GREEN RI...	9,001.0
9,762.1		
9,764.8		
9,796.6		
9,797.6		
9,798.2		
9,861.2		
9,862.2		
9,863.5		
9,878.0		
9,904.5		
9,996.4		
10,017.1		
10,019.0	WASATCH	10,271.0
10,545.9		
10,601.7		
10,603.3		
10,663.1		
10,685.0		
10,688.0		
10,962.9		
11,003.0		
11,358.9		
11,409.1		
11,784.1		
11,830.1		
12,244.1		
12,291.0		
12,663.1		
12,692.9		
13,050.2		
13,072.2		
13,086.0		
13,116.8		
13,119.1		
13,120.1		
13,157.8		
13,158.5		
13,159.8		
13,198.2		
13,200.1		



RECEIVED: Jan. 28, 2016

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: ML- 22871

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER: MECHAM #3-1B2

2. NAME OF OPERATOR:
LINN OPERATING, INC.

9. API NUMBER: 43013518440000

3. ADDRESS OF OPERATOR:
Rt. 2 Box 7735 , Roosevelt, UT, 84066

PHONE NUMBER: 435 722-1325 Ext

9. FIELD and POOL or WILDCAT: BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1498 FSL 1079 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 01 Township: 02.0S Range: 02.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 2/5/2016	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
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	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Water Isolation SR

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

LINN Operating, Inc. respectfully submits the operations summary and schematic in regards to the previously approved sundry 69399, dated 1/28/2016. Set isolation packer assy @ 10,001'- 10,257' for the purpose of water isolation.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 23, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andrea Gurr	435 722-1325	Regulatory & Permit Tech
SIGNATURE		**DATE**
N/A		2/22/2016

RECEIVED: Feb. 22, 2016

LINN Energy

Operations Summary

Well Name: MECHAM 3-1B2

API/UWI	Surface Legal Location	County	State/Province
43013518440000	SEC 1-2S-2W	Duchesne	UT

Initial Spud Date	Rig Release Date	KB-Ground Distance (ft)	Ground Elevation (ft)
6/7/2013	8/11/2013	22.50	5,267.00

Daily Operations

1/27/2016 12:00 - 1/27/2016 17:00

Operations at Report Time	Operations Next Report Period
MIRU SWS #1	START POOH WITH TUBING.

Operations Summary
MIRU SWS #1 AND POOH WITH RODS.

Time Log

Com
CONDUCT JSA AND SAFETY MEETING WITH SWS #1 AND BMW HOT OIL SERVICE. 12:00PM ROAD EQUIP FROM 3-17A2 TO 3-1B2, AOL WAIT FOR UNIT TO BE SLIDE BACK, SIRU RIG, HOTOILER PUMPED 25 BBLS DOWN TBG CAUGHT PSI, SLOW PUMPING (SMALL HOLE OR WAXED OFF), UNSEAT PUMP PU RODS FLUSH TBG W/ TOTAL OF 65 BBLS, POOH W/ RODS, RODS DIRTY FLUSH 15 BBLS CONT. OUT,RODS DIRTY FLUSH 12 BBLS CONT. OUT, LD K-BARS & PUMP, SWIFN CLEAN UP 5:30PM SDFN 5:30-7:00PM CREW TRAVEL SITP = 0 PSI SICP = 35 PSI

1/28/2016 07:00 - 1/28/2016 18:00

Operations at Report Time	Operations Next Report Period
CONTINUE POOH WITH TUBING	CONTINUE POOH WITH TUBING.

Operations Summary
RELEASE STUCK TA

Time Log

Com
CONDUCT JSA AND SAFETY MEETING WITH SWS #1 AND BMW HOT OIL SERVICE. 5:30-7:00AM CREW TRAVEL 7:00AM SAFTEY MEETING,BLEED WELL, X-OVER TBG EQUIP, HOTOILER FLUSHED 20 BBLS DOWN TBG,ND WELLHEAD, UNLAND TBG, TRY TO RELEASE TA, TA STUCK TRY TO WORK FREE (NO LUCK), STRIP ON SPOOL ASSM. & BOP, SWI PUMP 120 BBLS DOWN CSG WHILE RD FLOOR & RU TBG EQUIP, OPEN WELL CONT. TO WORK TA (NO LUCK) WAIT FOR SWIVEL TO AOL, RU POWER SWIVEL, WORK TBG FREE, RD SWIVEL, POOH W/ TBG, TA HANGING UP WORK OUT OF HOLE, POOH W/ 132-JNTS, TA HUNG UP WONT MOVE, RU SWIVEL, SWIVEL 8-JNTS OUT OF HOLE TA STILL HANGING UP, SWIFN CLEAN UP 6:00PM SDFN 6:00-7:30PM CREW TRAVEL SITP = 0 PSI SICP = 40 PSI

1/29/2016 07:00 - 1/29/2016 17:00

Operations at Report Time	Operations Next Report Period

Operations Summary
TOH w/prod tbg w/pwr swivel due bad TAC.

Time Log

Com
SITP 0 psig. SICP 40 mpsig. review JSA. Flshd csg w/75 bbls htd wtr. Cont to TOH w/prod tbg using pwr swivel. TCA hanging up in csg collars. LD BHA. Slip element were stuck out on TAC. RD pwr swivel. SWI & SDFN

2/2/2016 07:00 - 2/2/2016 17:00

Operations at Report Time	Operations Next Report Period

Operations Summary
Hydro tst in hole w/straddle PKR assy & tbg.

Time Log

Com
SICP 500 psig. Review JSA. BD well. TIH w/8 jts 2-3/8" tbg & PT to 2,000 psig, gd tst. TOH w/same. MIRU hydro tstr. MU straddle PKR assy. TIH w/PKR assy & prod tbg tstg to 9,000 psig. EOT @ 9,783'. Blew hole in jt #307 @ 9,720'. RDMO hydro tstr. SWI & SDFN.

2/3/2016 07:00 - 2/3/2016 17:00

Operations at Report Time	Operations Next Report Period

Operations Summary
Set straddle PKR/TIH w/prod tbg.

Time Log

Com
SITP 50 psig. SICP 100 psig. Review JSA. Contd to TIH w/ tbg. Set straddle PKR assy @ 10,001'- 10,257'. Rlsd on/off tl. TOH w/tbg & on/off tl. TIH w/prod tbg as follows: NO-GO sub, 2 jts 3-1/2" tbg (Btm jt slotted), 2-7/8"x 3-1/2" XO, SN, 1 jt 2-7/8" tbg, 7" B-2 TAC & 307 jts 2-7/8" tbg. Attd to set TAC w/no sucess. SWI & SDFN.

2/4/2016 07:00 - 2/4/2016 17:00

Operations at Report Time	Operations Next Report Period

Operations Summary
Round trip for new TAC.

LINN Energy

Operations Summary

Well Name: MECHAM 3-1B2

Time Log

Com
SITP 100 psig. SICP 100 psig. Review JSA. Flshd csg w/100 bbls htd wtr. Attd to set 7" TAC w/no sucess. TOH w/tbg & BHA. Repld TAC. TIH w/prod tbg as follows: NO-GO sub, 2 jts 3-1/2" tbg (Btm jt slotted), 2-7/8"x 3-1/2" XO, SN, 1 jt 2-7/8" tbg, 7" B-2 TAC & 307 jts 2-7/8" tbg. Set TAC @ 9,745' w/14K ten, SN @ 9,779' & EOT @ 9,846'. ND BOP. NU WH. SWI & SDFN.

2/5/2016 07:00 - 2/5/2016 17:00

Operations at Report Time	Operations Next Report Period

Operations Summary

TIH w/rods/RWTP.

Time Log

Com
SITP 0 psig. SICP 35 psig. Review JSA. Flshd tbg w/30 BW. Tst new pmp @ surf. TIH w/40' dip tube, 2.5"x 1.75"x 36' RHBC pmp (#4749), 14-1-1/2" sbs w/stab, 1125- 3/4" N-97 rods slick, 113- 7/8" N-97 rods slick, 131- 1" N-97 rods slick, 1-8', 1- 4' 1- 2'x 1' pony rods & 1-1/2"x 40' PR. Seat pmp & PT to 500 psig w/23 BW, gd tst. RDMO Stevenson WS #1. Slide PU & HWO. RWTP.

MECHAM 3-1B2 , 43013518440000

API/UWI	State/Province	Field Name
43013518440000	UT	UNTA - ALTAMONT BLUEBELL OP

Ground Elevation (ft)	Original KB Elevation (ft)	KB-Ground Distance (ft)	On Production Date	PBTD (All) (ftKB)
5,267.00	5,289.50	22.50	9/8/2013	Original Hole - 13,120.0

Contact Name	Title	Department

VERTICAL - Original Hole, 2/10/2016 3:02:38 PM

MD (ftKB)	Zones	Zone Depth
16.1		
22.6		
25.3		
56.1		
80.1		
1,047.2		
1,090.6		
5,838.6		
5,916.3		
6,200.1		
9,345.1	LOWER GREEN RI	9,001.0
9,743.1		
9,748.0		
9,779.9		
9,781.8		
9,845.8		
9,878.0		
9,996.4		
9,998.4		
10,017.1		
10,256.2		
10,264.1		
10,545.9	WASATCH	10,271.0
10,603.3		
10,685.0		
10,962.9		
11,358.9		
11,784.1		
12,244.1		
12,663.1		
13,050.2		
13,086.0		
13,119.1		
13,157.8		
13,159.8		
13,200.1		

Vertical schematic (actual)