API Well Number: 43047537090000

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
KATHY BOYDSTUN 2-13A1

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
QUINEX ENERGY CORP

7. OPERATOR PHONE
801 292-3800

8. ADDRESS OF OPERATOR
465 South 200 West, Bountiful, UT, 84010

9. OPERATOR E-MAIL
john@quinexenergy.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
Patented

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

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

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
John D. Chasel

14. SURFACE OWNER PHONE (if box 12 = 'fee')
435-229-3763

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
2285 Lucky John Dr, Park City, UT 84060

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	866 FNL 1488 FEL	NWNE	13	1.0 S	1.0 W	U
Top of Uppermost Producing Zone	866 FNL 1488 FEL	NWNE	13	1.0 S	1.0 W	U
At Total Depth	866 FNL 1488 FEL	NWNE	13	1.0 S	1.0 W	U

21. COUNTY
UINTAH

22. DISTANCE TO NEAREST LEASE LINE (Feet)
866

23. NUMBER OF ACRES IN DRILLING UNIT
480

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
1739

26. PROPOSED DEPTH
MD: 14300 TVD: 14300

27. ELEVATION - GROUND LEVEL
5599

28. BOND NUMBER
NZS499876

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
43-12567, 43-12566

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	15	13.375	0 - 450	48.0	H-40 ST&C	8.4	Class G	260	1.15	15.8
SURF	12.25	9.625	0 - 2500	40.0	J-55 LT&C	8.9	Hi Lift "G"	500	3.82	11.0
			2500 - 4500	43.5	L-80 LT&C	8.9	Class G	225	1.15	15.8
I1	8.75	7	0 - 10800	26.0	P-110 LT&C	11.0	Premium Lite High Strength	360	1.7	13.1
							Hi Lift "G"	160	3.82	11.0
							Premium Lite High Strength	50	1.7	13.1
L1	6.25	5	10500 - 14300	18.0	P-110 Flush Seal-Loc	14.0	Class G	240	1.5	15.6

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 Brad Wells **TITLE** Field Office Manager **PHONE** 435 823-5323

SIGNATURE **DATE** 04/01/2013 **EMAIL** brad@quinexenergy.com

API NUMBER ASSIGNED
43047537090000

APPROVAL
Permit Manager

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RECEIVED: April 25, 2013

QUINEX ENERGY CORPORATION

DRILLING PLAN
Kathy Boydstun 2-13A1
1488' FEL, 866' FNL NW1/4 NE1/4,
Section 13, T1S, R1W, USB&M
Uintah County, Utah
Lease No: Fee
Bond Number: NZS499876

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1 & 2 ESTIMETED TOPS ANTICIPATED OIL, GAS AND WATER ZONES

FORMATION	DEPTH	ZONE TYPE	MAX. PRESSURE
Duchesne River	Surface	Water	1,340.0 psi
Uinta Fm.	3,095'	Water & Gas	2,980.0 psi
Green River Formation	6,873'	Oil, Gas & Water	4,075.0 psi
Black Shale	9,403'	Water	3,94.0 psi
Wasatch Transition	10,163'	Oil, Gas & Water	5,450.0 psi
Wasatch Formation	10,680'	Oil, Gas & Water	6,550.0 psi
Wasatch "B"	12,830'	Oil, Gas & Water	7,300.0 psi
Wasatch TD	14,300'	Oil, Gas & Water	7,300.0 psi

Max Pressure is figured as Hydrostatic .4331 pounds per square foot X Depth
The Wasatch is over pressured in this area of the field and pressures in excess of 6,580 psi are not uncommon therefore the pressure gradient has been figured at .51 for this formation

3. PRESSURE CONTROL EQUIPMENT

A 5" X 20" Rotating Head from Surface to 450'
A 5K X 13 3/8" Hydril and 5K Fill and Kill lines and Choke Manifold from 450' to 4,500'.
A 10K X 11" Hydril and BOP Stack and 10K Fill and Kill lines and Choke Manifold Blind & Pipe Rams, Mud Cross from 4,500' to 10,800'.
A 10K X 11" Hydril and BOP Stack and 10K lines and Choke Manifold, Blind & Pipe Rams, Mud Cross and annular Rotating Head from 10,800 to 14,300'
As required a 10K BOP and Choke Manifold will be obtained for the bottom hole.

The surface casing will be equipped with a flanged casing head of 5K psi working pressure. An 11.0" 5K BOP and 5K Annular preventer will be nippled up on the surface casing and tested to 250 psi low pressure test and 5K psi high pressure test prior to drilling out. The surface casing will be tested to 1,500 psi. The choke manifold equipment, upper Kelly cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test and 2,500 psi high test or 50% of the rated working pressure.

The BOPE will be tested after running intermediate casing, after any repairs to the equipment and as required by OSHA regulations while drilling.

RECEIVED: April 23, 2013

The pipe and blind rams will be activated each time a trip is made, and the annular preventer will be activated weekly.

Weekly BOP tests will be held with each crew.

Other equipment will include:
a. Mud logger with gas monitor. On at 7,000'
b. Choke Manifold with one manual and one hydraulic operated choke
c. Full opening floor valve with drill pipe thread
d. Upper and lower Kelly Cock
e. Shaker, desander, desilter, and mud cleaner
See the attached diagrams:

4. CASING AND CEMENTING PROGRAM:

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Casing:
Conductor: Hole Size= 15" Casing Size= 13 3/8"
450'+/- 13 3/8 H40 48.00 lb

Surface: Hole Size= 12 1/4" Casing Size= 9 5/8"
From surface to 2,500' +/- 9 5/8" 40# K55 LTC New API ERW Casing.
2,500' to 4,500' +/- 9 5/8'' 43.5# L80 LTC New API ERW Casing
Notes: API setting depth for collapse is 7,790' +/- the safety factor
Tension with Long Couplings is 56,100 lbs +/- (SF)
Standard Mill Test: 3,000 psi.
80% min Yield Test: 3,600 psi.
Drift Diameter: 8.679
Coupling OD of 7" is 7.390"

Intermediate: Hole Size= 8 ¾" Casing Size= 7"
10,800' 7" 26# P110 LTC New Seamless API Casing.
Notes: API Setting depth for Collapse is 14,810' + 1.8 (SF)
Tension with Long Couplings is 69,300 lbs +/- (SF)
Standard Mill Test: 9,100 psi.
Ultimate Yield: 12,930 psi
Drift Diameter: 6.151
Coupling OD: of 5" Flush Joint is 5.360

Liner
10,500-14,300' (3,800') 5" 18# P110 Liner, New Seamless API Casing with Flush Joint Premium Coupled Buttress Lock Thread™
Notes: API setting depth for Collapse is 14,000' + SF
Tension w/ Long Coupling is 58,700' + SF
Standard Mill Test: 10,000 psi
Ultimate Yield: 13,940 psi

Description: CBL Casing Connection is a premium connection based on API BTC standard with the addition of a torque shoulder and metal to metal seal. The result is a cost effective connection ideal for use in vertical wellbores with tight tolerances or horizontal or slant wellbores and is typically used in Shale formations. The torque shoulder provides consistent make-ups and eliminates downhole over-rotation. The metal to metal seal is designed to provide the primary seal while minimizing galling. CBL is interchangeable with BTC accessories.

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Cement Program:

Conductor will be 13 3/8 H40 48.00 lb casing set to 450' cemented to surface with sufficient redi-mix to bring the cement to surface.

1. 9 5/8 Surface Casing

TD 4500 ft
Hole Size 12 ¼ in
Casing Size 9 5/8 in
Tail Cement 4,500 ft to 4,000
Tail Cement excess 50 %
Lead Cement 4,000 ft to surface
Lead Cement excess 50 %

Premium Hifill cmt 500 sks 11.0 #/gal 3.82 cuft/sk 23 gal/sk
Premium V cmt 100 % (BWOC)
Gel 6 % (BWOC)
Gilsonite 10 #/sk
Gr3 3 #/sk
Salt 3 % (BWOC)
Flocele ¼ #/sk

Premium G Cmt 225 sks 15.8 #/gal 1.15 cuft/sk 5.0 gal/sk
Premium G Cmt 100 % (BWOC)
Calcium Chloride 2 % (BWOC)
Flocele ¼ #/sk

Topout: Premium G Cmt 125 sks 15.8 #/gal 1.15 cuft/sk 5.0 gal/sk
Premium G Cmt 100 % (BWOC)
Calcium Chloride 2 % (BWOC)
Flocele ¼ #/sk

2. **7 in Casing**

TD 10,800 ft
Hole Size 8 ¾ in
Casing Size 7 in
1st stage
Tail Cmt Coverage 10,800 ft to 7,000 ft
Tail Cmt Excess 15 %
2nd stage
Lead Cmt Coverage 7,000 ft to 3,500
Lead Cmt Excess 15 %
Tail cmt across stage tool 50 sks
1 s t Stage: Cmt Prem. Lite 360 sks 13.1 #/gal 1.70 cuft/sk 7.7 gal/sk

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Premium G Cmt 65 % (BWOC)
Poz 35 % (BWOP)
Gel 6 %
Salt 10 % (BWOW)
Gilsonite 10 #/sk
CFL 115 .2 %
Flocele ¼ # /sk

2 nd Stage: Premium Hifill cmt 160 sks 11.0 #/gal 3.82 cuft/sk 23 gal/sk
Premium V cmt 100 % (BWOC)
Gel 6 % (BWOC)
Gilsonite 10 #/sk
Gr3 3 #/sk
Salt 3 % (BWOC)
Flocele ¼ #/sk
Cmt Prem. Lite 50 sks 13.1 #/gal 1.70 cuft/sk 7.7 gal/sk
Premium G Cmt 65 % (BWOC)
Poz 35 % (BWOP)
Gel 6 %
Salt 10 % (BWOW)
Gilsonite 10 #/sk
CFL 115 .2 %
Flocele ¼ # /sk

3. **5" Liner**

TD 14,300 ft
Hole Size 6 ¼
Intermediate Casing @ 10,800 ft
Cement Coverage 14,300 ft to 10,400 ft
Cement Excess 20 % (Gauge Hole)

Premium G Cmt 240 sks 15.6 #/gal 1.50 cuft/sk 6.6 gal/sk
Premium G Cmt 100 %
Silica Flour 35 % (BWOC)
CDI 33 .6 %
CFL 175 .2 %
H T Retarder .2 %
Flocele ¼ # /sk

Cement volumes will be calculated from the open hole logs whenever possible. All casing strings will be cemented to surface or at least 100' up into the previous casing string.

5. MUD PROGRAM:

INTERVAL MUD TYPE WEIGHT
Surface Water & gel 8.5 to 9.2 PPG
Intermediate Water, Gel & Weight as needed 8.9 to 11 PPG
Liner Water, Gel & Weight as needed 11.0 to 14 PPG

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Anticipated mud weights and lost circulation zones are based on offsetting wells and drilling data. Mud weights may be higher than projected, depending on actual zones encountered during drilling.

Visual mud monitoring equipment will be utilized along with a pit volume monitor and alarm.

Sufficient mud inventory will be maintained on location during drilling operations to handle any adverse conditions that may arise.

6. LOGS

Open Hole logs from Surface to base of intermediate and from base of the intermediate to TD @ 14,300'
Gamma Ray, Density Neutron, Resistivity, and Sonic or platform express.
Mud Log from 4,500' to TD.

7. VARIANCE REQUESTS:

None

8. ABNORMAL CONDITIONS

A corrosive water zone in the well may be encountered at a depth of 2,200' to 4,800' that compromises the integrity of the pipe after 15-20 years. Extra precaution will be taken to set casing and cement across this zone.

There are abnormal conditions that may be experienced in the bottom hole portion of the well from 10,000' to TD these conditions have been planned for in the design of the well and the mud program while drilling.

9. OTHER

No chemicals subject to reporting under SARA III in an amount to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually with the drilling of this well, Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold quantities, will be used, produced, stored, transported or disposed of in association with the drilling of this well.

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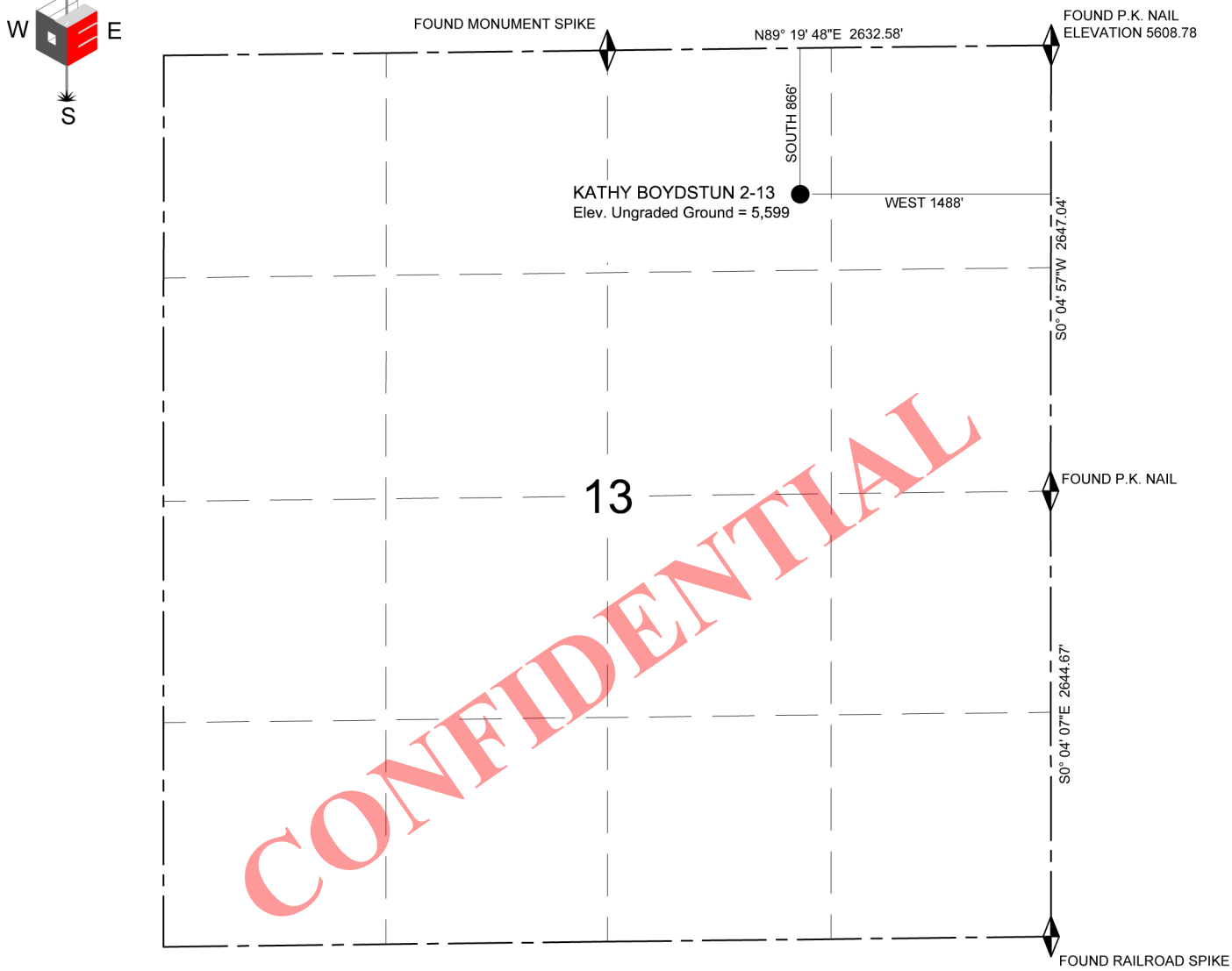
RECEIVED: April 23, 2013

API Well Number: 43047537090000

SECTION 13, T1S, R1W, USB&M UINTAH COUNTY, UTAH

WELL LOCATION KATHY BOYDSTUN 2-13



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM THE 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.

LEGEND AND NOTES

FOUND SECTION CORNER

PROPOSED WELL HEAD

PROFESSIONAL LAND SURVEYOR
Dan E. Knowlden Jr.
3-21-13
7173588
STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION NO. 7173588
STATE OF UTAH

THE GENERAL LAND OFFICE G.L.O. PLAT WAS USED FOR REFERENCE

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 13, T1S, R1W, U.S.M. NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK SYSTEM. SAID ELEVATION IS MARKED AS BEING 5608.78 FEET.

0 500 1000
HORIZONTAL

QUINEX ENERGY CORP.
KATHY BOYDSTUN 2-13
SECTION 13, T1S, R1W, USM
866' FNL AND 1488' FEL

NAD 83 SURFACE LOCATION
LATITUDE = 40°24'05.12"
LONGITUDE = 109°56'26.55
NAD 27 SURFACE LOCATION
LATITUDE = 40°24'05.27"
LONGITUDE = 109°56'24.01

OUTLAW ENGINEERING INC.
P.O. BOX 1800 ROOSEVELT, UTAH 84066
(435) 232-4321

WELL PLAT

DATE SURVEYED:	MARCH 20, 2013
SURVEYED BY:	DEK/CCW
DRAWN:	MARCH 20, 2013
SCALE:	1" = 1000'
REVISION:	DEK

SHEET NO. 1

RECEIVED: April 01, 2013

API Well Number: 43047537090000

PROPOSED LOCATION
KATHY BOYDSTUN 2-13

< 0.4 miles

7000 N

7.1 miles

2.8 miles

3500 E

Highway 40

Neola
Hayden
Leeton
Bennet
Cedarview
Roosevelt
Hancock Cove
Indian Bench
Municipal Airport
Roosevelt Muni Airport
Monnes Creek Reservoir
Water Tanks
Gaging Station
Gaging Stations
Corral
Landing Strip
BASE
Utah Heap Springs
DUCHESNE CO
UINTAH CO
UINTAH
MERIDIAN
R 1 W
R 1 E
T 1 S
T 2 S
CONFIDENTIAL

Whiterocks
Neola
Monarch
Leeton
Lapoint
Cedarview
Ballard
Roosevelt
Fort Duchesne
Ioka
Randlett
Myton

Access Road

N
W
E
S

OUTLAW ENGINEERING INC.
P.O. BOX 1800 ROOSEVELT,
UTAH 84066
(435) 232-4321

0 0.5 1 1.5 Miles

LEGEND

- KATHY BOYDSTUN 2-13
- Existing Access Road
- Proposed Road

Ownership

- Federal
- Private
- State
- Tribal

QUINEX ENERGY

Quinex Energy Corporation
KATHY BOYDSTUN 2-13
SECTION 13, T1S, R1W, USM
866' FNL AND 1488' FEL

USGS 7.5' Fort Duchesne Quadrangle	MARCH 27, 2013 SCALE: 1:50,000 AUTHOR: Cody Mitchell	SHEET A

RECEIVED: April 01, 2013

API Well Number: 4304753709000

Search Images Mail Drive Calendar Sites Groups Contacts Mobile More

dianawhitney@utah.gov

Mail More 2 of 29

COMPOSE

Inbox (8)
Starred
Important
Sent Mail
Drafts
BLM
Cabinet
Electronic filing
Eng. Tech (1)
New Permits
Travel
Follow up
Misc
Priority
Tariq
More

Send Save Now Discard

To Brad Wells <brad@quinexenergy.com>

Add Cc Add Bcc Request return receipt Edit Subject Attach a file
Insert: Invitation

Check Spelling

« Plain Text

No, I'll just attach this email to the APD.

On Tue, Apr 2, 2013 at 10:25 AM, Brad Wells <brad@quinexenergy.com> wrote:

> It's not right. That should have been changed to john@quinexenergy.com. Also, for the surface usage agreement, the Land is owned by John Chasel, who owns Quinex. Do you still need a surface usage agreement?
>
> Brad

Brad Wells
brad@quinexenergy.com

Show details

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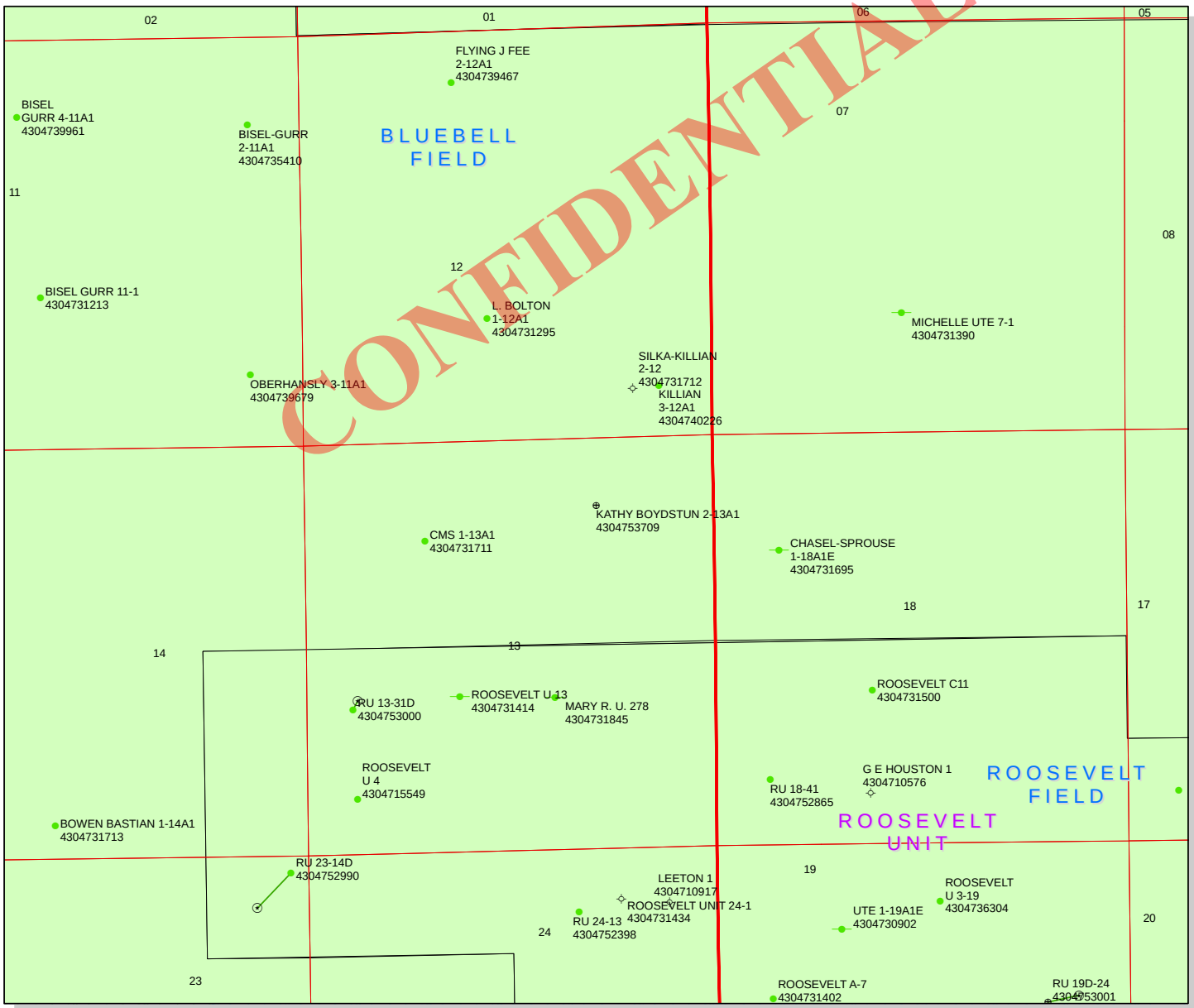
API Well Number: 43047537090000



API Number: 4304753709

Well Name: KATHY BOYDSTUN 2-13A1

Township T01.0S Range R01.0W Section 13

Meridian: UBM

Operator: QUINEX ENERGY CORP

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

1,700 850 0 1,700 Feet

1:15,867

RECEIVED: April 03, 2013

API Well Number: 43047537090000

BOPE REVIEW QUINEX ENERGY CORP KATHY BOYDSTUN 2-13A1 43047537090000

Well Name	QUINEX ENERGY CORP KATHY BOYDSTUN 2-13A1 43047537090000			
String	COND	SURF	I1	L1
Casing Size(")	13.375	9.625	7.000	5.000
Setting Depth (TVD)	450	4500	10800	14300
Previous Shoe Setting Depth (TVD)	0	450	4500	10800
Max Mud Weight (ppg)	8.4	8.9	11.0	14.0
BOPE Proposed (psi)	1000	5000	10000	10000
Casing Internal Yield (psi)	1730	3950	9950	13620
Operators Max Anticipated Pressure (psi)	7300			9.8

Calculations	**COND String**	**13.375**	"
Max BHP (psi)	.052*Setting Depth*MW=	197	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	143	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	98	YES OK
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	98	NO
Required Casing/BOPE Test Pressure=		450	psi
***Max Pressure Allowed @ Previous Casing Shoe=**		0	psi *Assumes 1psi/ft frac gradient

Calculations	**SURF String**	**9.625**	"
Max BHP (psi)	.052*Setting Depth*MW=	2083	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1543	YES 5K x 13 3/8
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1093	YES manifold
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1192	NO OK
Required Casing/BOPE Test Pressure=		2765	psi
***Max Pressure Allowed @ Previous Casing Shoe=**		450	psi *Assumes 1psi/ft frac gradient

Calculations	**I1 String**	**7.000**	"
Max BHP (psi)	.052*Setting Depth*MW=	6178	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4882	YES 10K Hydril & BOP, 10K fill-kill lines & choke
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3802	YES manifold, blind & pipe rams, mud cross
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	4792	NO OK
Required Casing/BOPE Test Pressure=		6965	psi
***Max Pressure Allowed @ Previous Casing Shoe=**		3950	psi *Assumes 1psi/ft frac gradient

Calculations	**L1 String**	**5.000**	"
Max BHP (psi)	.052*Setting Depth*MW=	10410	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	8694	YES 10K Hydril & BOP, 10K fill-kill lines & choke
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	7264	YES manifold, blind & pipe rams, mud cross
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	9640	YES OK
Required Casing/BOPE Test Pressure=		9534	psi
***Max Pressure Allowed @ Previous Casing Shoe=**		9950	psi *Assumes 1psi/ft frac gradient

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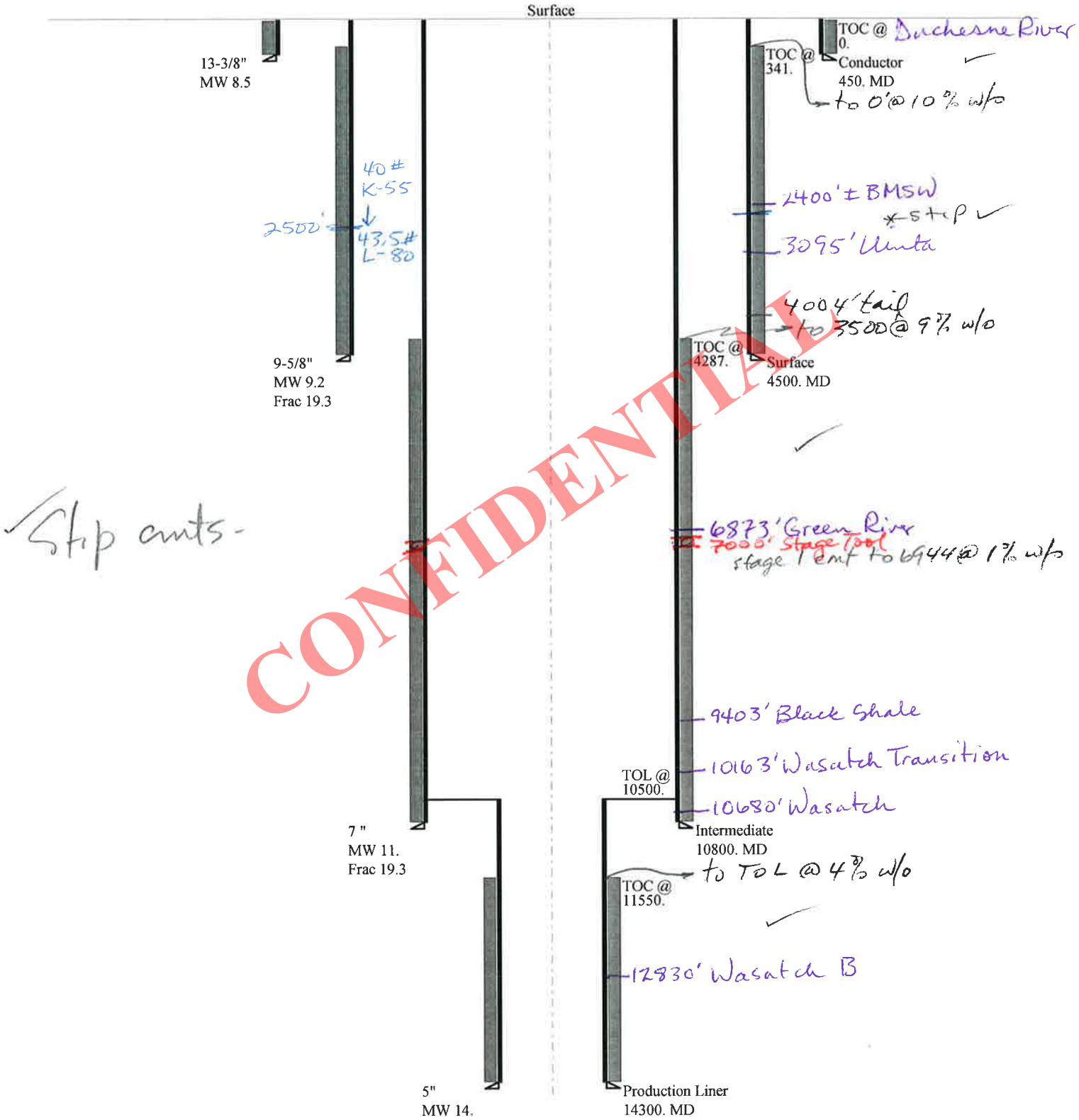
API Well Number: 43047537090000

43047537090000 Kathy Boydstun 2-13A1

Casing Schematic



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API Well Number: 43047537090000

Well name:	**43047537090000 Kathy Boydstun 2-13A1**
Operator:	**QUINEX ENERGY CORP**
String type:	Conductor
Project ID:	43-047-53709
Location:	UINTAH COUNTY

Design parameters:

Collapse

Mud weight: 8.500 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 145 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 199 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: 1.70 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 394 ft

Environment:

H2S considered? No

Surface temperature: 74 °F

Bottom hole temperature: 80 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 100 ft

Cement top: Surface

Non-directional string.

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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	450	13.375	48.00	H-40	ST&C	450	450	12.59	5581

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	199	740	3.724	152	1730	11.39	18.9	322	17.03 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940

Date: April 23,2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 450 ft, a mud weight of 8.5 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.

API Well Number: 43047537090000

Well name:	**43047537090000 Kathy Boydstun 2-13A1**
Operator:	**QUINEX ENERGY CORP**
String type:	Surface
Project ID:	43-047-53709
Location:	UINTAH COUNTY

Design parameters:

Collapse

Mud weight: 9.200 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 3,510 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 4,500 psi

Annular backup: 1.00 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.70 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 3,909 ft

Estimated cost: 57,592 ($)

Environment:

H2S considered? No

Surface temperature: 74 °F

Bottom hole temperature: 137 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 100 ft

Cement top: 341 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 10,800 ft

Next mud weight: 11.000 ppg

Next setting BHP: 6,171 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 4,500 ft

Injection pressure: 4,500 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 ($)
2	2500	9.625	40.00	K-55	LT&C	2500	2500	8.75	26466
1	2000	9.625	43.50	L-80	LT&C	4500	4500	8.625	31126

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
2	1195	2497	2.090	3930	3950	1.01	161.3	561	3.48 J
1	2151	3810	1.772	4266	6330	1.48	61.3	813	13.26 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940

Date: April 23,2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 4500 ft, a mud weight of 9.2 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.

CONFIDENTIAL

API Well Number: 43047537090000

Well name:	**43047537090000 Kathy Boydstun 2-13A1**
Operator:	**QUINEX ENERGY CORP**
String type:	Intermediate
Project ID:	43-047-53709
Location:	UINTAH COUNTY

Design parameters:

Collapse

Mud weight:	11.000 ppg
Internal fluid density:	1.200 ppg

Burst

Max anticipated surface pressure:	7,254 psi
Internal gradient:	0.220 psi/ft
Calculated BHP	9,630 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: 9,008 ft

Environment:

H2S considered?	No
Surface temperature:	74 °F
Bottom hole temperature:	225 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,000 ft
Cement top:	4,287 ft

Non-directional string.

Re subsequent strings:

Next setting depth:	14,300 ft
Next mud weight:	14.000 ppg
Next setting BHP:	10,400 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	10,800 ft
Injection pressure:	10,800 psi

CONFIDENTIAL

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	10800	7	26.00	P-110	LT&C	10800	10800	6.151	112266

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	5498	6230	1.133	9630	9950	1.03	280.8	693	2.47 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: April 22,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 10800 ft, a mud weight of 11 ppg An internal gradient of .062 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.

API Well Number: 43047537090000

Well name:	**43047537090000 Kathy Boydstun 2-13A1**
Operator:	**QUINEX ENERGY CORP**
String type:	Production Liner
Project ID:	43-047-53709
Location:	UINTAH COUNTY

Design parameters:

Collapse

Mud weight: 14.000 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 7,254 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 10,400 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: 13,490 ft

Environment:

H2S considered? No

Surface temperature: 74 °F

Bottom hole temperature: 274 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,000 ft

Cement top: 11,550 ft

Liner top: 10,500 ft

Non-directional string.

CONFIDENTIAL

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	3800	5	18.00	P-110	Buttress	14300	14300	4.151	29393

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	10400	13470	1.295	10400	13620	1.31	68.4	580.2	8.48 B

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940

Date: April 22,2013
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 14300 ft, a mud weight of 14 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 QUINEX ENERGY CORP
Well Name KATHY BOYDSTUN 2-13A1
API Number 43047537090000 **APD No** 7827 **Field/Unit** BLUEBELL
Location: 1/4,1/4 NWNE **Sec** 13 **Tw** 1.0S **Rng** 1.0W 866 FNL 1488 FEL
GPS Coord (UTM) 589895 4472860 **Surface Owner** John D. Chasel

Participants

Paul Wells and Brad Wells (Quinex Energy), Richard Powell (DOGM),

Regional/Local Setting & Topography

This proposed well sits approximately 7 miles north and east of Roosevelt, Utah. The site slopes gently toward the south with some very minor drainages. The well site is set on a slight knoll which appears to best avoid the drainages. The site is currently used for cattle pasture.

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Surface Use Plan

Current Surface Use
Agricultural
Grazing

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.1	**Width** 290 **Length** 375	Offsite	DUCHR

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna
spiny hopsage, grasses, sparse russian olive.

Soil Type and Characteristics
gravelly sandy loam

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? Y

Berm Required? N

Erosion Sedimentation Control Required? N

RECEIVED: April 25, 2013

API Well Number: 43047537090000

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)		20
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		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	70 1 Sensitivity Level

Characteristics / Requirements

The reserve pit is 110ft x 150ft x 8 ft deep and is lined with a 20 mill pit liner and felt.

Closed Loop Mud Required? Y **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Richard Powell — **Evaluator**

4/11/2013 — **Date / Time**

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RECEIVED: April 25, 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
7827	43047537090000	LOCKED	OW	P	No

Operator	QUINEX ENERGY CORP	**Surface Owner-APD**	John D. Chasel
Well Name	KATHY BOYDSTUN 2-13A1	**Unit**	
Field	BLUEBELL	**Type of Work**	DRILL
Location	NWNE 13 1S 1W U 866 FNL 1488 FEL GPS Coord (UTM) 589887E 4472850N		

Geologic Statement of Basis

Quinex proposes to set 450 feet of conductor and 3,600 feet of surface casing at this location. The conductor and surface hole will be drilled with fresh water mud. The depth to the base of the moderately saline ground water is estimated to be 2,400 feet. A search of Division of Water Rights records indicates that there are 23 water wells within a 10,000 foot radius of the center of Section 13. These wells range in depth from 28 to 400 feet. Depth is not listed for 3 wells. Listed uses are domestic, irrigation, stock watering and industrial. The surface formation at the proposed site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and is not expected to be a high volume source of ground water. Water production in this area is from near surface alluvium and the Uinta Formation. The proposed casing and cement should adequately protect ground water in this area.

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Brad Hill — 4/16/2013
APD Evaluator — **Date / Time**

Surface Statement of Basis

This well is on fee surface with fee minerals. The Surface owner is John Chasel who is also primary owner of Quinex Energy. Mr. Paul Wells of Quinex Energy acted as representative of both the surface owner and the operator. This well site is in an area used for cattle pasture and is placed on a slight knoll between very small drainages on to the east and west. The sight slopes gently to the south. A reserve pit will be built with a 20 mil liner and felt subliner. Draianges will be rerouted around the location as needed. This appears to be a good site for placement of this well.

Richard Powell — 4/11/2013
Onsite Evaluator — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: April 25, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 4/1/2013
API NO. ASSIGNED: 43047537090000
WELL NAME: KATHY BOYDSTUN 2-13A1
OPERATOR: QUINEX ENERGY CORP (N9995)
PHONE NUMBER: 435 823-5323
CONTACT: Brad Wells

PROPOSED LOCATION: NWNE 13 010S 010W
Permit Tech Review: ✔

SURFACE: 0866 FNL 1488 FEL
Engineering Review: ✔

BOTTOM: 0866 FNL 1488 FEL
Geology Review: ✔

COUNTY: UINTAH
LATITUDE: 40.40141
LONGITUDE: -109.94075
UTM SURF EASTINGS: 589887.00
NORTHINGS: 4472850.00
FIELD NAME: BLUEBELL
LEASE TYPE: 4 - Fee
LEASE NUMBER: Patented
PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH
SURFACE OWNER: 4 - Fee
COALBED METHANE: NO

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RECEIVED AND/OR REVIEWED:

- ✔ **PLAT**
- ✔ **Bond:** STATE - NZS499876
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ✔ **Water Permit:** 43-12567, 43-12566
- ☐ **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
12 - Cement Volume (3) - hmacdonald

RECEIVED: April 25, 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: KATHY BOYDSTUN 2-13A1
API Well Number: 43047537090000
Lease Number: Patented
Surface Owner: FEE (PRIVATE)
Approval Date: 4/25/2013

Issued to:
QUINEX ENERGY CORP, 465 South 200 West, Bountiful, UT 84010

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(LWR)-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 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 3500' MD as indicated in the submitted drilling 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:

Approved By:

For John Rogers
Associate Director, Oil & Gas

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: Patented

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:
KATHY BOYDSTUN 2-13A1

2. NAME OF OPERATOR:
QUINEX ENERGY CORP

9. API NUMBER:
43047537090000

3. ADDRESS OF OPERATOR:
465 South 200 West , Bountiful, UT, 84010

PHONE NUMBER:
801 292-3800 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0866 FNL 1488 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNE Section: 13 Township: 01.0S Range: 01.0W Meridian: U

COUNTY:
UINTAH

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
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ 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: 5/31/2013	☐ 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.

Drilling started on 5/9/2013 with Frontier Rig #4. Ran 9 5/8' surface casing to 4441' on 5/15/2013, cemented back to surface. On 5/31/2013 drilling. Depth at 10,983'.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 11, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Brad Wells	435 823-5323	Field Office Manager

SIGNATURE	DATE
N/A	6/7/2013

RECEIVED: Jun. 07, 2013

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Patented

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:
KATHY BOYDSTUN 2-13A1

2. NAME OF OPERATOR:
QUINEX ENERGY CORP

9. API NUMBER:
43047537090000

3. ADDRESS OF OPERATOR:
465 South 200 West , Bountiful, UT, 84010

PHONE NUMBER:
801 292-3800 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0866 FNL 1488 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNE Section: 13 Township: 01.0S Range: 01.0W Meridian: U

COUNTY:
UINTAH

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: 4/1/2014	☐ 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.

Quinex Energy Corp is proposing to perforate and fracture stimulate the following zones in the Wasatch Formation: 11,161' – 12,894'.

Approved by the Utah Division of Oil, Gas and Mining

Date: February 25, 2014

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Brad Wells	435 823-5323	Field Office Manager

SIGNATURE	DATE
N/A	2/24/2014

RECEIVED: Feb. 24, 2014

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: Patented

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: KATHY BOYDSTUN 2-13A1

2. NAME OF OPERATOR: QUINEX ENERGY CORP

9. API NUMBER: 43047537090000

3. ADDRESS OF OPERATOR: 465 South 200 West , Bountiful, UT, 84010

PHONE NUMBER: 801 292-3800 Ext

9. FIELD and POOL or WILDCAT: BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0866 FNL 1488 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 13 Township: 01.0S Range: 01.0W Meridian: U

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT — Approximate date work will start: 4/1/2014
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
☐ 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: Recement on 5' Casing

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

According to the CBL ran by JW Wireline on 07/17/2013 there is no cement behind the 5'' casing from 12,600' to the liner top at 10,800'. Quinex Energy Corp. proposes to do a recement job on that section of casing in accordance with industry cementing best practices.

Approved by the Utah Division of Oil, Gas and Mining

Date: March 03, 2014

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Brad Wells	435 823-5323	Field Office Manager

SIGNATURE	DATE
N/A	2/27/2014

RECEIVED: Feb. 27, 2014

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: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER: Kathy Boydstun 2-13A1

9. API NUMBER: 43047537090000

10 FIELD AND POOL, OR WILDCAT: Bluebell

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

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

2. NAME OF OPERATOR: Quinex Energy Corporation

3. ADDRESS OF OPERATOR: 465 South 200 West CITY Bountiful STATE UT ZIP 84010 PHONE NUMBER: (801)292-3800

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 866 FNL 1488 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 866 FNL 1488 FEL
AT TOTAL DEPTH: 866 FNL 1488 FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 13 1S 1W U

12. COUNTY: Uintah

13. STATE: UTAH

14. DATE SPUDDED: 04/26/2013

15. DATE T.D. REACHED: 06/19/2013

16. DATE COMPLETED: 10/04/2013 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5599 GL 5623 KB

18. TOTAL DEPTH: MD 14,264 TVD 14,264

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)
Platform Express, Elemental Spectoscopy, Combinable Magnetic Resonance, Spectral Gamma Ray, CBL

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
20"	13.375 H40	48.0#	0	450		G 300		Surface	See att.
12.25"	9.625 K55	40.0#	0	4441		G 895		Surface	See att.
8.75"	7.0 P110	26.0#	0	10995		G 630		4300	See att.
6.25	5.0 P110	18.0#	10780	14264		G 370		12770	See att.

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Neola 3 Finger	13151	14264	13151	14264
(B) Wasatch "B"	12828	13150	12828	13150
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
13126 14159	.34	220	Open ☑ Squeezed ☐
13060 13115	.34	20	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

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

WAS WELL HYDRAULICALLY FRACTURED? YES ☑ NO ☐ IF YES -- DATE FRACTURED: 10/04/2013

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
13,060-14,159	14,500 lbs. .5# 100 Mesh & 325,000 lbs. Bauxite. See attached

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:

(5/2013)

(CONTINUED ON BACK)

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:
10/5/2013		10/5/2013		24			251	294	551	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:
18/64		1300	54.00	1435			251	294	551	Flowing

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.)

Sold

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.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.
Duchesne River	0	3093	Mudstone & Sandstone, Water
Uintah	3093	6871	Mudstone, Sandstone, Limestone H2O
Green River	6871	10161	Mudstone, Sandstone, Shale, Oil, H2O
Wasatch Trans	10161	10678	Mudstone, Sandstone, Shale, Oil, H2O
Wasatch	10678	14264	Mudstone, Sandstone, Shale, Oil, H2O

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
Duchesne	0
Uintah	3093
Green River	6871
Green River "H"	9401
Wasatch Trans.	10161
Wasatch	10678
Wasatch "B"	12828
Neola 3 Finger	13151

35. ADDITIONAL REMARKS (Include plugging procedure)

Details of the well stimulation and perforations are attached.

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

NAME (PLEASE PRINT) Brad Wells TITLE Field Office Manager

SIGNATURE _____ DATE _____

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

MOSTAR
DIRECTIONAL TECHNOLOGIES INC.

Mostar Directional Technologies Inc.
610, 736 - 8 Ave. S.W.
Calgary, AB T2P 1H4
Tel: 403.279.5577
www.mostardirectional.com

Quinex Energy Corp.

Altamont-Bluebell (Flat Earth)
S13-T1S-R1W
Kathy Boydston 2-13
13-05-042

Updated Surveys to TD - June 19

License:

UWI:

Survey Report

19 June, 2013

Mostar Directional Technologies Inc.

Survey Report

Company:	Quinex Energy Corp.	**Local Co-ordinate Reference:**	Well Kathy Boydston 2-13
Project:	Altamont-Bluebell (Flat Earth)	**TVD Reference:**	Actual KB @ 5623.00usft
Site:	S13-T1S-R1W	**MD Reference:**	Actual KB @ 5623.00usft
Well:	Kathy Boydston 2-13	**North Reference:**	True
Wellbore:	13-05-042	**Survey Calculation Method:**	Minimum Curvature
Design:	Updated Surveys to TD - June 19	**Database:**	EDM_2011

Project Altamont-Bluebell (Flat Earth)

Map System:	Flat Earth	**System Datum:**	Mean Sea Level
Geo Datum:	WGS 1984		
Map Zone:	No Conversions		Using geodetic scale factor

Site S13-T1S-R1W

Site Position:		**Northing:**	0.00 usft	**Latitude:**	0° 0' 0.000 N
From:	None	**Easting:**	0.00 usft	**Longitude:**	0° 0' 0.000 E
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.00 °

Well Kathy Boydston 2-13

Well Position	**+N/-S**	0.00 usft	**Northing:**	0.00 usft	**Latitude:**	0° 0' 0.000 N
	+E/-W	0.00 usft	**Easting:**	0.00 usft	**Longitude:**	115° 29' 19.301 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	5,599.00 usft

Wellbore 13-05-042 **Well UWI** **License**

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	23/05/2013	8.82	10.94	30,745

Design Updated Surveys to TD - June 19

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.00	0.00	0.00	192.65

Survey Program **Date** 19/06/2013

From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
6,382.00	6,382.00	Tie-on Surveys (13-05-042)	Mostar MWD	MWD - Standard
6,457.00	14,264.00	Updated Surveys to TD - June 19 (13-05-042)	Mostar MWD	MWD - Standard

Survey

Measured Depth (usft)	**Inclination (°)**	**Azimuth (°)**	**Vertical Depth (usft)**	**SS (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Vertical Section (usft)**	**Dogleg Rate (°/100usft)**	**Build Rate (°/100usft)**	**Turn Rate (°/100usft)**
0.00	0.00	0.00	0.00	5,623.00	0.00	0.00	0.00	0.00	0.00	0.00
Start of Surveys										
6,382.00	2.42	192.65	6,380.10	-757.10	-131.49	-29.51	134.76	0.04	0.04	0.00
6,457.00	2.07	198.28	6,455.05	-832.05	-134.32	-30.28	137.69	0.55	-0.47	7.51
6,519.00	1.98	205.92	6,517.01	-894.01	-136.34	-31.10	139.85	0.46	-0.15	12.32
6,613.00	1.45	224.38	6,610.96	-987.96	-138.66	-32.64	142.44	0.81	-0.56	19.64
6,708.00	0.92	210.93	6,705.94	-1,082.94	-140.17	-33.88	144.18	0.63	-0.56	-14.16
6,802.00	0.75	205.13	6,799.93	-1,176.93	-141.37	-34.53	145.50	0.20	-0.18	-6.17
6,897.00	0.88	186.67	6,894.92	-1,271.92	-142.66	-34.87	146.83	0.31	0.14	-19.43

MOSTAR DIRECTIONAL TECHNOLOGIES INC

Mostar Directional Technologies Inc.

Survey Report

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Site:	S13-T1S-R1W	**MD Reference:**	Actual KB @ 5623.00usft
Well:	Kathy Boydston 2-13	**North Reference:**	True
Wellbore:	13-05-042	**Survey Calculation Method:**	Minimum Curvature
Design:	Updated Surveys to TD - June 19	**Database:**	EDM_2011

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,992.00	1.01	163.12	6,989.91	-1,366.91	-144.19	-34.72	148.29	0.43	0.14	-24.79
7,087.00	0.70	177.27	7,084.90	-1,461.90	-145.57	-34.45	149.58	0.39	-0.33	14.89
7,181.00	0.83	169.27	7,178.89	-1,555.89	-146.81	-34.29	150.76	0.18	0.14	-8.51
7,276.00	1.54	161.10	7,273.87	-1,650.87	-148.69	-33.75	152.47	0.77	0.75	-8.60
7,370.00	0.83	140.62	7,367.85	-1,744.85	-150.41	-32.91	153.97	0.87	-0.76	-21.79
7,465.00	0.79	131.48	7,462.84	-1,839.84	-151.38	-31.98	154.71	0.14	-0.04	-9.62
7,559.00	0.79	133.94	7,556.83	-1,933.83	-152.26	-31.03	155.36	0.04	0.00	2.62
7,654.00	0.92	155.83	7,651.82	-2,028.82	-153.41	-30.25	156.31	0.37	0.14	23.04
7,748.00	0.92	183.69	7,745.81	-2,122.81	-154.85	-29.99	157.66	0.47	0.00	29.64
7,843.00	0.79	179.03	7,840.80	-2,217.80	-156.27	-30.02	159.05	0.16	-0.14	-4.91
7,937.00	1.01	162.59	7,934.79	-2,311.79	-157.71	-29.76	160.40	0.36	0.23	-17.49
8,032.00	1.19	162.59	8,029.77	-2,406.77	-159.45	-29.22	161.97	0.19	0.19	0.00
8,126.00	0.13	181.14	8,123.76	-2,500.76	-160.48	-28.93	162.92	1.14	-1.13	19.73
8,221.00	0.18	177.97	8,218.76	-2,595.76	-160.74	-28.93	163.17	0.05	0.05	-3.34
8,316.00	0.48	159.52	8,313.76	-2,690.76	-161.26	-28.78	163.65	0.33	0.32	-19.42
8,411.00	0.70	160.04	8,408.76	-2,785.76	-162.18	-28.44	164.47	0.23	0.23	0.55
8,505.00	0.79	161.80	8,502.75	-2,879.75	-163.34	-28.05	165.51	0.10	0.10	1.87
8,599.00	0.92	170.50	8,596.74	-2,973.74	-164.70	-27.72	166.77	0.20	0.14	9.26
8,693.00	1.10	176.92	8,690.72	-3,067.72	-166.34	-27.55	168.34	0.23	0.19	6.83
8,788.00	1.19	179.82	8,785.71	-3,162.71	-168.24	-27.49	170.18	0.11	0.09	3.05
8,882.00	1.23	175.25	8,879.68	-3,256.68	-170.22	-27.41	172.09	0.11	0.04	-4.86
8,976.00	0.57	173.32	8,973.67	-3,350.67	-171.69	-27.27	173.49	0.70	-0.70	-2.05
9,070.00	0.97	174.55	9,067.66	-3,444.66	-172.95	-27.14	174.69	0.43	0.43	1.31
9,164.00	1.14	180.70	9,161.65	-3,538.65	-174.67	-27.07	176.36	0.22	0.18	6.54
9,259.00	1.27	184.22	9,256.63	-3,633.63	-176.67	-27.16	178.33	0.16	0.14	3.71
9,355.00	1.27	178.76	9,352.60	-3,729.60	-178.79	-27.22	180.41	0.13	0.00	-5.69
9,449.00	1.14	167.34	9,446.58	-3,823.58	-180.75	-26.99	182.27	0.29	-0.14	-12.15
9,543.00	1.41	163.21	9,540.56	-3,917.56	-182.77	-26.45	184.12	0.30	0.29	-4.39
9,637.00	1.45	152.00	9,634.53	-4,011.53	-184.92	-25.56	186.03	0.30	0.04	-11.93
9,730.00	1.67	154.77	9,727.50	-4,104.50	-187.19	-24.43	187.99	0.25	0.24	2.98
9,824.00	1.89	153.36	9,821.45	-4,198.45	-189.81	-23.15	190.28	0.24	0.23	-1.50
10,013.00	2.37	189.31	10,010.33	-4,387.33	-196.46	-22.39	196.59	0.74	0.25	19.02
10,106.00	2.42	191.86	10,103.25	-4,480.25	-200.27	-23.10	200.47	0.13	0.05	2.74
10,171.00	2.24	192.21	10,168.19	-4,545.19	-202.86	-23.65	203.11	0.28	-0.28	0.54
10,202.00	2.24	190.72	10,199.17	-4,576.17	-204.05	-23.89	204.33	0.19	0.00	-4.81
10,234.00	2.20	191.16	10,231.14	-4,608.14	-205.26	-24.13	205.56	0.14	-0.13	1.38
10,296.00	2.11	188.70	10,293.10	-4,670.10	-207.56	-24.53	207.89	0.21	-0.15	-3.97
10,328.00	1.98	186.32	10,325.08	-4,702.08	-208.69	-24.68	209.03	0.49	-0.41	-7.44
10,391.00	2.07	183.16	10,388.04	-4,765.04	-210.91	-24.86	211.23	0.23	0.14	-5.02
10,423.00	2.02	181.93	10,420.02	-4,797.02	-212.05	-24.91	212.36	0.21	-0.16	-3.84
10,487.00	2.11	180.61	10,483.98	-4,860.98	-214.35	-24.96	214.62	0.16	0.14	-2.06
10,518.00	2.07	179.03	10,514.96	-4,891.96	-215.49	-24.96	215.72	0.23	-0.13	-5.10

MOSTAR DIRECTIONAL TECHNOLOGIES INC

Mostar Directional Technologies Inc.

Survey Report

Company:	Quinex Energy Corp.	**Local Co-ordinate Reference:**	Well Kathy Boydston 2-13
Project:	Altamont-Bluebell (Flat Earth)	**TVD Reference:**	Actual KB @ 5623.00usft
Site:	S13-T1S-R1W	**MD Reference:**	Actual KB @ 5623.00usft
Well:	Kathy Boydston 2-13	**North Reference:**	True
Wellbore:	13-05-042	**Survey Calculation Method:**	Minimum Curvature
Design:	Updated Surveys to TD - June 19	**Database:**	EDM_2011

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,550.00	2.07	179.91	10,546.94	-4,923.94	-216.64	-24.95	216.85	0.10	0.00	2.75
10,582.00	2.11	176.39	10,578.92	-4,955.92	-217.81	-24.91	217.98	0.42	0.13	-11.00
10,613.00	2.15	175.16	10,609.90	-4,986.89	-218.96	-24.83	219.08	0.20	0.13	-3.97
10,644.00	2.20	174.55	10,640.87	-5,017.87	-220.13	-24.72	220.20	0.18	0.16	-1.97
10,676.00	2.11	176.22	10,672.85	-5,049.85	-221.33	-24.62	221.35	0.34	-0.28	5.22
10,707.00	2.15	177.01	10,703.83	-5,080.83	-222.48	-24.56	222.45	0.16	0.13	2.55
10,739.00	2.11	173.58	10,735.81	-5,112.81	-223.66	-24.46	223.59	0.42	-0.13	-10.72
10,770.00	2.11	171.03	10,766.79	-5,143.79	-224.79	-24.31	224.66	0.30	0.00	-8.23
10,801.00	2.11	169.71	10,797.76	-5,174.76	-225.92	-24.12	225.71	0.16	0.00	-4.26
10,833.00	2.11	171.21	10,829.74	-5,206.74	-227.08	-23.92	226.81	0.17	0.00	4.69
10,864.00	2.11	174.55	10,860.72	-5,237.72	-228.21	-23.78	227.88	0.40	0.00	10.77
10,895.00	2.15	174.63	10,891.70	-5,268.70	-229.36	-23.67	228.97	0.13	0.13	0.26
10,926.00	2.15	171.82	10,922.68	-5,299.68	-230.51	-23.53	230.07	0.34	0.00	-9.06
10,958.00	2.20	174.99	10,954.66	-5,331.66	-231.72	-23.39	231.22	0.41	0.16	9.91
Intermediate Casing										
11,003.00	2.16	175.22	10,999.62	-5,376.62	-233.42	-23.25	232.85	0.10	-0.10	0.51
11,009.00	2.15	175.25	11,005.62	-5,382.62	-233.65	-23.23	233.06	0.10	-0.10	0.52
11,041.00	2.15	175.34	11,037.60	-5,414.60	-234.84	-23.13	234.21	0.01	0.00	0.28
11,073.00	1.98	173.14	11,069.58	-5,446.58	-235.99	-23.02	235.30	0.59	-0.53	-6.88
11,104.00	1.98	176.83	11,100.56	-5,477.56	-237.06	-22.92	236.32	0.41	0.00	11.90
11,136.00	2.07	174.81	11,132.54	-5,509.54	-238.19	-22.84	237.40	0.36	0.28	-6.31
11,167.00	2.07	178.06	11,163.52	-5,540.52	-239.30	-22.77	238.48	0.38	0.00	10.48
11,199.00	2.15	180.61	11,195.50	-5,572.49	-240.48	-22.76	239.63	0.39	0.25	7.97
11,230.00	2.11	182.63	11,226.47	-5,603.47	-241.63	-22.79	240.76	0.27	-0.13	6.52
11,262.00	1.80	183.60	11,258.46	-5,635.45	-242.72	-22.85	241.83	0.97	-0.97	3.03
11,294.00	1.80	189.14	11,290.44	-5,667.44	-243.72	-22.96	242.83	0.54	0.00	17.31
11,326.00	1.85	187.55	11,322.42	-5,699.42	-244.73	-23.11	243.85	0.22	0.16	-4.97
11,357.00	1.89	184.92	11,353.41	-5,730.41	-245.73	-23.22	244.85	0.31	0.13	-8.48
11,389.00	1.80	187.64	11,385.39	-5,762.39	-246.76	-23.33	245.88	0.39	-0.28	8.50
11,420.00	1.76	190.98	11,416.37	-5,793.37	-247.71	-23.48	246.84	0.36	-0.13	10.77
11,452.00	1.85	193.00	11,448.36	-5,825.36	-248.69	-23.69	247.84	0.34	0.28	6.31
11,483.00	1.67	190.19	11,479.34	-5,856.34	-249.62	-23.89	248.80	0.64	-0.58	-9.06
11,515.00	1.58	185.80	11,511.33	-5,888.33	-250.52	-24.01	249.70	0.48	-0.28	-13.72
11,547.00	1.58	185.27	11,543.32	-5,920.32	-251.40	-24.10	250.58	0.05	0.00	-1.66
11,578.00	1.58	187.82	11,574.31	-5,951.31	-252.25	-24.20	251.43	0.23	0.00	8.23
11,610.00	1.63	183.42	11,606.30	-5,983.29	-253.14	-24.28	252.31	0.42	0.16	-13.75
11,641.00	1.67	182.72	11,637.28	-6,014.28	-254.03	-24.33	253.19	0.14	0.13	-2.26
11,673.00	1.76	184.92	11,669.27	-6,046.27	-254.99	-24.39	254.14	0.35	0.28	6.88
11,705.00	1.80	184.74	11,701.25	-6,078.25	-255.98	-24.48	255.13	0.13	0.13	-0.56
11,736.00	1.63	185.18	11,732.24	-6,109.24	-256.90	-24.56	256.04	0.55	-0.55	1.42
11,768.00	1.67	190.54	11,764.23	-6,141.23	-257.81	-24.68	256.96	0.50	0.13	16.75
11,799.00	1.67	188.26	11,795.21	-6,172.21	-258.71	-24.83	257.86	0.21	0.00	-7.35
11,831.00	1.63	194.76	11,827.20	-6,204.20	-259.61	-25.02	258.78	0.60	-0.13	20.31

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Patented

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:
KATHY BOYDSTUN 2-13A1

2. NAME OF OPERATOR:
QUINEX ENERGY CORP

9. API NUMBER:
43047537090000

3. ADDRESS OF OPERATOR:
465 South 200 West , Bountiful, UT, 84010

PHONE NUMBER:
801 292-3800 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0866 FNL 1488 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNE Section: 13 Township: 01.0S Range: 01.0W Meridian: U

COUNTY:
UINTAH

STATE:
UTAH

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

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT
  Approximate date work will start: 8/1/2016
- ☐ SUBSEQUENT REPORT
  Date of Work Completion:
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
☐ 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.

Quinex Energy is proposing to reperforate then stimulate with 10,000 gallons 15% HCL acid from 14,159' to 13,060'. Quinex believes this will help improve production on this well.

Approved by the
Utah Division of
Oil, Gas and Mining
August 08, 2016
Date:
By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Brad Wells	435 823-5323	Field Office Manager

SIGNATURE	DATE
N/A	7/31/2016

RECEIVED: Jul. 31, 2016

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: Patented

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QUINEX ENERGY CORP

9. API NUMBER:
43047537090000

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PHONE NUMBER:
801 292-3800 Ext

9. FIELD and POOL or WILDCAT:
BLUEBELL

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0866 FNL 1488 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNE Section: 13 Township: 01.0S Range: 01.0W Meridian: U

COUNTY:
UINTAH

STATE:
UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT
  Approximate date work will start:
- ✓ SUBSEQUENT REPORT
  Date of Work Completion:
  8/14/2016
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

✓ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ 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
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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.

Detailed description is attached to this file.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
September 16, 2016

NAME (PLEASE PRINT)
Brad Wells

PHONE NUMBER
435 823-5323

TITLE
Field Office Manager

SIGNATURE
N/A

DATE
9/9/2016

RECEIVED: Sep. 09, 2016

QUINEX ENERGY CORPORATION

Workover Summary for Acid Job on Kathy Boydstun 2-13A1
August 2016

8/1/2016-8/2/2016 TOOH with production BHA. Pump was sanded in. Had to back off rods and pull tubing to get out of hole.

8/4/2016-8/5/2016 Pick up 4 1/8'' bit and sub. Clean out. Had sand from 13,363' to bottom. TOOH

Shut down for weekend

8/8/2016-8/9/2016 Pick up 5'' packer. Hydro test tubing on way in. Set packer at 13,010'.

8/10/2016 Wait for acid crew

8/11/2016 Pumped 10,000 gallons 15% HCL at 6.5 bbl./min at 7000 psi. Max rate 7.0 bbl./min. Max pressure 7600 psi. Pumped 110 bbl fresh water for displacement. Held 2000 psi on backside with rig pump during acid job. Had minor breaks, but did not see any ball action. ISIP 5200 psi, after 5 minutes 4650 psi, after 10 minutes 4280 psi, after 15 minutes 3950 psi.

Flowed well back to flat tank, made 75 BBls then rate dropped off to a trickle.

Swab well back. Made 21 runs, swabbed back 210 BBls acid water. On last run PH up to 6, fluid level at 3800'.

8/12/2016 Well had 450 psi on tubing. Made 5 swab runs, fluid level at 4000', PH at 7.

8/12/2016-8/13/2016 TOOH with packer, pick up production BHA, TIH. Set anchor at 10,845, with 20K Tension.

8/13/2016-8/14/2016 Run rods, with new 1 ¾'' pump. Space out, stroke test pump.

8/14/16 Put well back on production.

465 South 200 West . Bountiful, Utah 84010 . 801-292-3800 . Fax 801-295-5858

RECEIVED: Sep. 09, 2016