

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 North Alger 27-42A
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT NATURAL BUTTES
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME NORTH ALGER
6. NAME OF OPERATOR KOCH EXPLORATION COMPANY LLC		7. OPERATOR PHONE 303 325-2562
8. ADDRESS OF OPERATOR 950 17th Street, Suite 1900, Denver, CO, 80202		9. OPERATOR E-MAIL howard4d@kochind.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU49518	11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		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 <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>	19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	676 FSL 1827 FWL	SESW	27	10.0 S	19.0 E	S
Top of Uppermost Producing Zone	990 FSL 1650 FWL	SESW	27	10.0 S	19.0 E	S
At Total Depth	990 FSL 1650 FWL	SESW	27	10.0 S	19.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 676	23. NUMBER OF ACRES IN DRILLING UNIT 640
27. ELEVATION - GROUND LEVEL 5258	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 15	26. PROPOSED DEPTH MD: 10315 TVD: 10300
	28. BOND NUMBER COB000296	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-2231, 43-8496, 49-1645, 49-2375

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	8.625	0 - 2500	32.0	J-55 LT&C	8.5	Type V	300	3.82	11.0
							Class G	250	1.15	15.8
PROD	7.875	4.5	0 - 10315	11.6	L-80 LT&C	13.0	Premium Lite High Strength	326	1.79	12.0
							Premium Lite High Strength	1943	1.27	13.5

ATTACHMENTS

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

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Theron Hoedel	TITLE Operations Engineer	PHONE 303 325-2565
SIGNATURE	DATE 02/03/2015	EMAIL theron.hoedel@kochind.com
API NUMBER ASSIGNED 43047552460000	APPROVAL  Permit Manager	

T10S, R19E, S.L.B.&M.

S89°54'W - 80.05 (G.L.O.)

S89°54'40"W - 2642.16' (Meas.)

Found 1956
Brass Cap in
Mound of Stones.

Found 1956
Brass Cap with
Mound of Stones.

NORTH ALGER 27-42A (Surface Position)
 NAD 83 LATITUDE = 39.912706° (39° 54' 45.740")
 LONGITUDE = 109.770918° (109° 46' 15.304")
 NAD 27 LATITUDE = 39.912741° (39° 54' 45.867")
 LONGITUDE = 109.770222° (109° 46' 12.799")

80.64 (G.L.O.)

NORTH ALGER 27-42A (Bottom Hole)
 NAD 83 LATITUDE = 39.913568° (39° 54' 48.845")
 LONGITUDE = 109.771570° (109° 46' 17.651")
 NAD 27 LATITUDE = 39.913603° (39° 54' 48.972")
 LONGITUDE = 109.770874° (109° 46' 15.146")

N01°00'43"W - 2660.35' (Meas.)

Found 1956
Brass Cap in
Mound of Stones.

N89°59'13"E - 5266.81' (Tie)

27

80.76 (G.L.O.)

Found 1956
Brass Cap in
Mound of Stones.

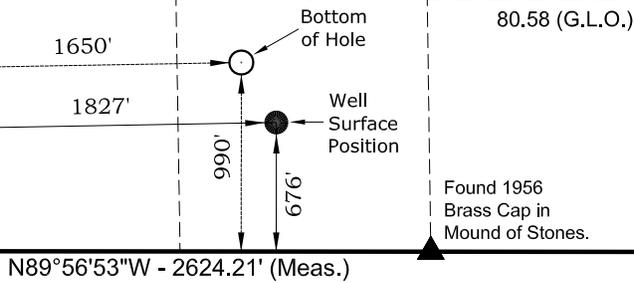
N0°38'W - 80.76 (G.L.O.)

**WELL LOCATION:
 NORTH ALGER 27-42A
 ELEV. UNGRADED GROUND = 5260.1'**

N1°01'W - 80.61 (G.L.O.)

N01°01'02"W - 2659.61' (Meas.)

Found 1956
Brass Cap in
Mound of Stones.



Found 1956
Brass Cap in
Mound of Stones.

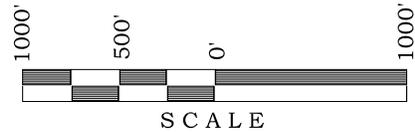
N89°56'53"W - 2624.21' (Meas.)

N89°56'W - 79.52 (G.L.O.)

80.58 (G.L.O.)

NOTES:

- ▲ = Section Corners Located
- 1. Well footages are measured at right angles to the Section Lines.
- 2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
- 3. The Bottom of hole bears N30°12'21"W 363.57' from the Surface Position.
- 4. Basis of elevation is the South 1/4 Corner of Section 27, T10S, R19E, S.L.B.&M. (Being a 1956 Brass Cap). The elevation of this Section Corner was Calculated using an NGS OPUS Solution report to be 5279.5' (NAVD 88).



SURVEYOR'S 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.

John R. Laughlin
 PROFESSIONAL LAND SURVEYOR
 REGISTRATION No. 6028691
 STATE OF UTAH

Koch Exploration Company, LLC
 950 17th Street, Suite 1900 - Denver, Colorado 80202

WELL PAD: 27-42
NORTH ALGER 27-42A
WELL PLAT
990' FSL, 1650' FWL (Bottom Hole)
SE 1/4 SW 1/4 OF SECTION 27, T10S, R19E,
S.L.B.&M., UINTAH COUNTY, UTAH.



TIMBERLINE		(435) 789-1365
ENGINEERING & LAND SURVEYING, INC.		
209 NORTH 300 WEST - VERNAL, UTAH 84078		
DATE SURVEYED: 3-5-14	SURVEYED BY: N.H.	SHEET NO: 2D
DATE DRAWN: 3-13-14	DRAWN BY: J.G.C.	OF 12
SCALE: 1" = 1000'	Date Last Revised:	