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
NBU 922-29P3DS

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

3. FIELD OR WILDCAT
NATURAL BUTTES

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

5. UNIT or COMMUNITIZATION AGREEMENT NAME
NATURAL BUTTES

6. NAME OF OPERATOR
KERR-MCGEE OIL & GAS ONSHORE, L.P.

7. OPERATOR PHONE
720 929-6587

8. ADDRESS OF OPERATOR
P.O. Box 173779, Denver, CO, 80217

9. OPERATOR E-MAIL
mary.mondragon@anadarko.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
ST UO 1207

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

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

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 ○ (Submit Commingling Application) NO ■

19. SLANT
VERTICAL ○ DIRECTIONAL ■ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	256 FSL 672 FEL	SESE	29	9.0 S	22.0 E	S
Top of Uppermost Producing Zone	256 FSL 672 FEL	SESE	29	9.0 S	22.0 E	S
At Total Depth	1076 FSL 775 FEL	SESE	29	9.0 S	22.0 E	S

21. COUNTY
UINTAH

22. DISTANCE TO NEAREST LEASE LINE (Feet)
775

23. NUMBER OF ACRES IN DRILLING UNIT
400

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
20

26. PROPOSED DEPTH
MD: 9362 TVD: 9200

27. ELEVATION - GROUND LEVEL
4923

28. BOND NUMBER
22013542

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
Water permit # 43-8496

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORCANCE 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 Kevin McIntyre	**TITLE** Regulatory Analyst I	**PHONE** 720 929-6226
SIGNATURE	**DATE** 12/02/2008	**EMAIL** Kevin.McIntyre@anadarko.com

API NUMBER ASSIGNED
43047500780000

APPROVAL

Permit Manager

Kerr-McGee Oil & Gas Onshore LP
NBU#922-29P, #922-29P1CS, #922-29P1BS & #922-29P3DS
SECTION 29, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 350' TO THE EXISTING NBU #10-29B AND THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.9 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU#922-29P, #922-29P1CS,
#922-29P1BS & #922-29P3DS

LOCATED IN UINTAH COUNTY, UTAH
SECTION 29, T9S, R22E, S.L.B.&M.

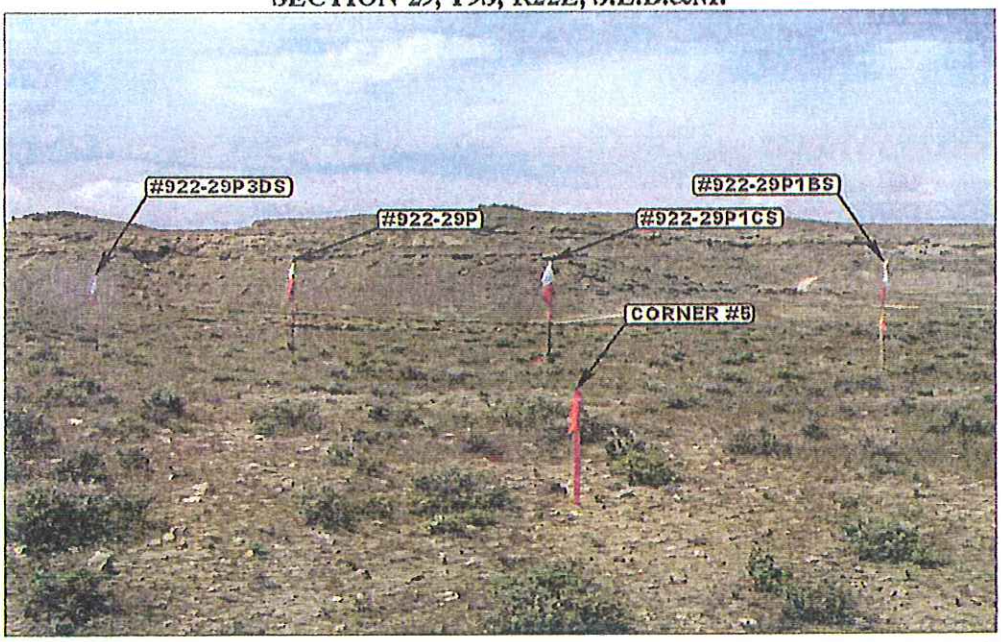


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE — CAMERA ANGLE: NORTHWESTERLY

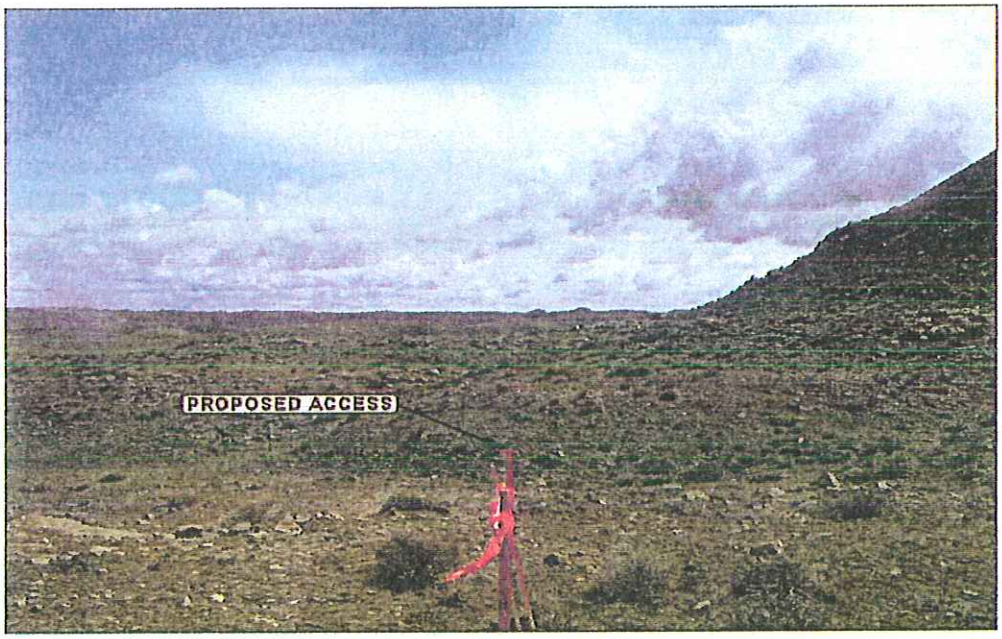


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS — CAMERA ANGLE: EASTERLY

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com
- Since 1964 -

LOCATION PHOTOS	04 MONTH	30 DAY	08 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: Z.L.	REVISED: 06-17-08		

Kerr-McGee Oil & Gas Onshore LP

NBU#922-29P, #922-29P1CS,
#922-29P1BS & #922-29P3DS

LOCATED IN UINTAH COUNTY, UTAH
SECTION 29, T9S, R22E, S.L.B.&M.

PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: EASTERLY

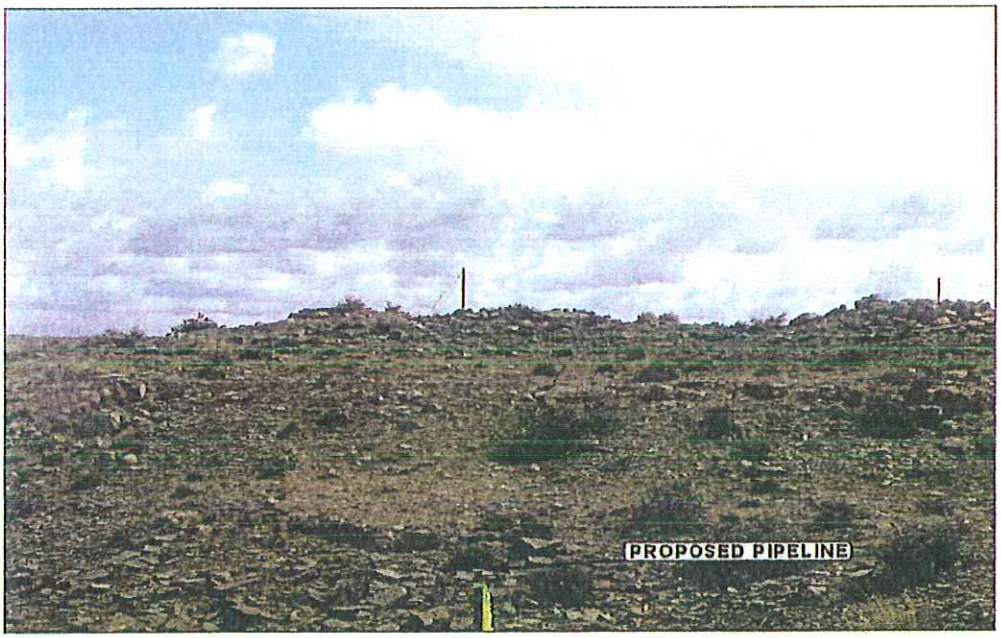


PHOTO: VIEW OF PIPELINE ALONG ALIGNMENT

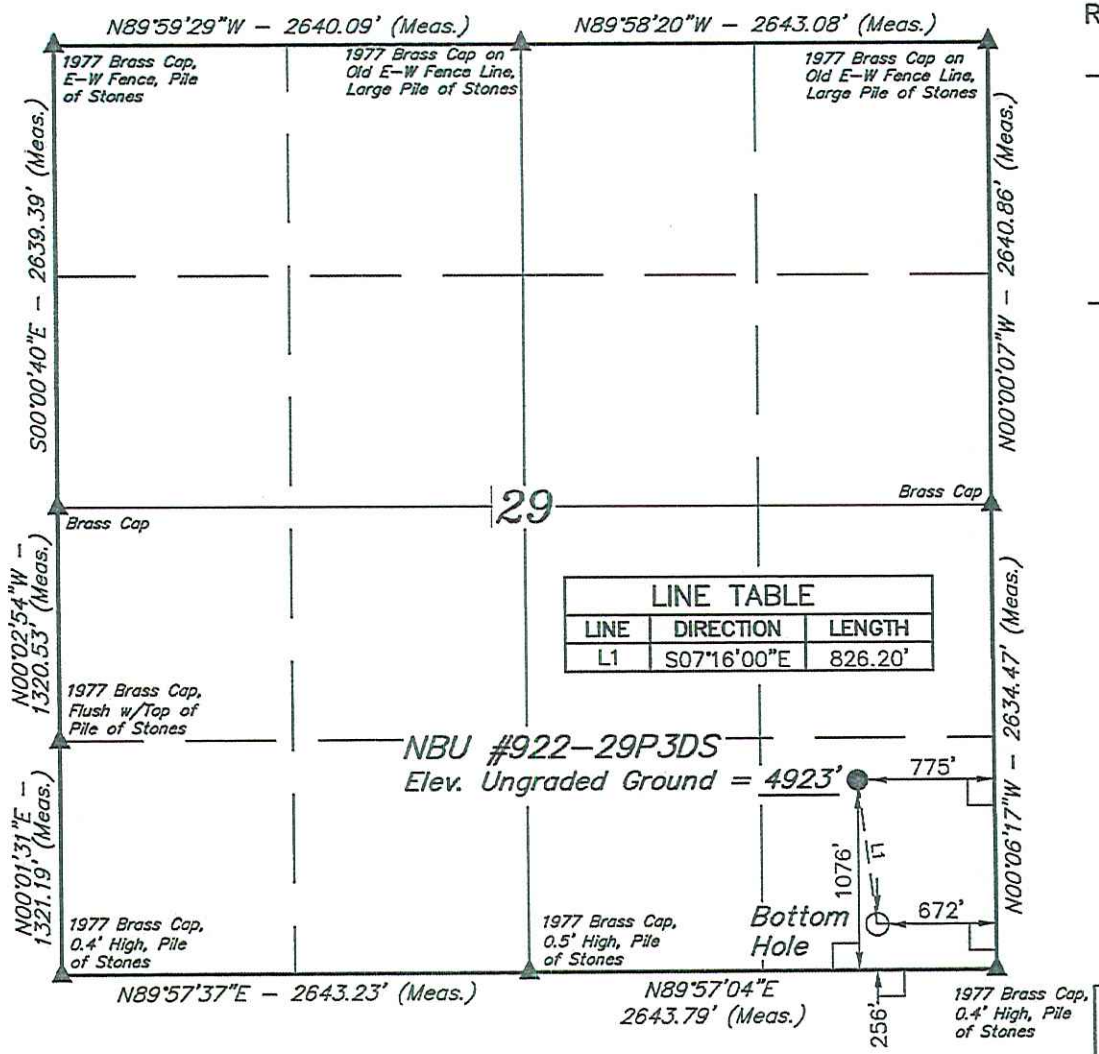
CAMERA ANGLE: SOUTHEASTERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS	04 MONTH	30 DAY	08 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: Z.L.	REVISED: 06-17-08		

API Well No: 43047500780000

T9S, R22E, S.L.B.&M.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S07°16'00"E	826.20'

Kerr-McGee Oil & Gas Onshore LP

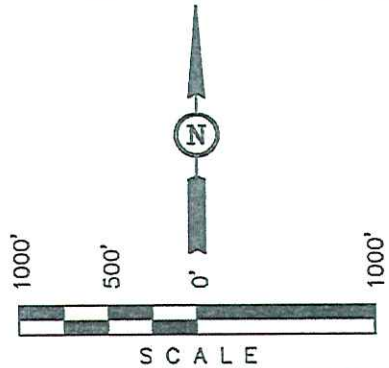
Well location, NBU #922-29P3DS, located as shown in the SE 1/4 SE 1/4 of Section 29, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 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

REGISTERED LAND SURVEYOR KAY STATE OF UTAH

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°00'01.77" (40.000492)	LATITUDE = 40°00'09.86" (40.002739)
LONGITUDE = 109°27'24.56" (109.456822)	LONGITUDE = 109°27'25.90" (109.457194)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 40°00'01.90" (40.000528)	LATITUDE = 40°00'09.99" (40.002775)
LONGITUDE = 109°27'22.10" (109.456139)	LONGITUDE = 109°27'23.44" (109.456511)

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

SCALE 1" = 1000'	DATE SURVEYED: 05-21-08	DATE DRAWN: 06-17-08
PARTY L.K. C.K. S.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

Kerr-McGee Oil & Gas Onshore LP

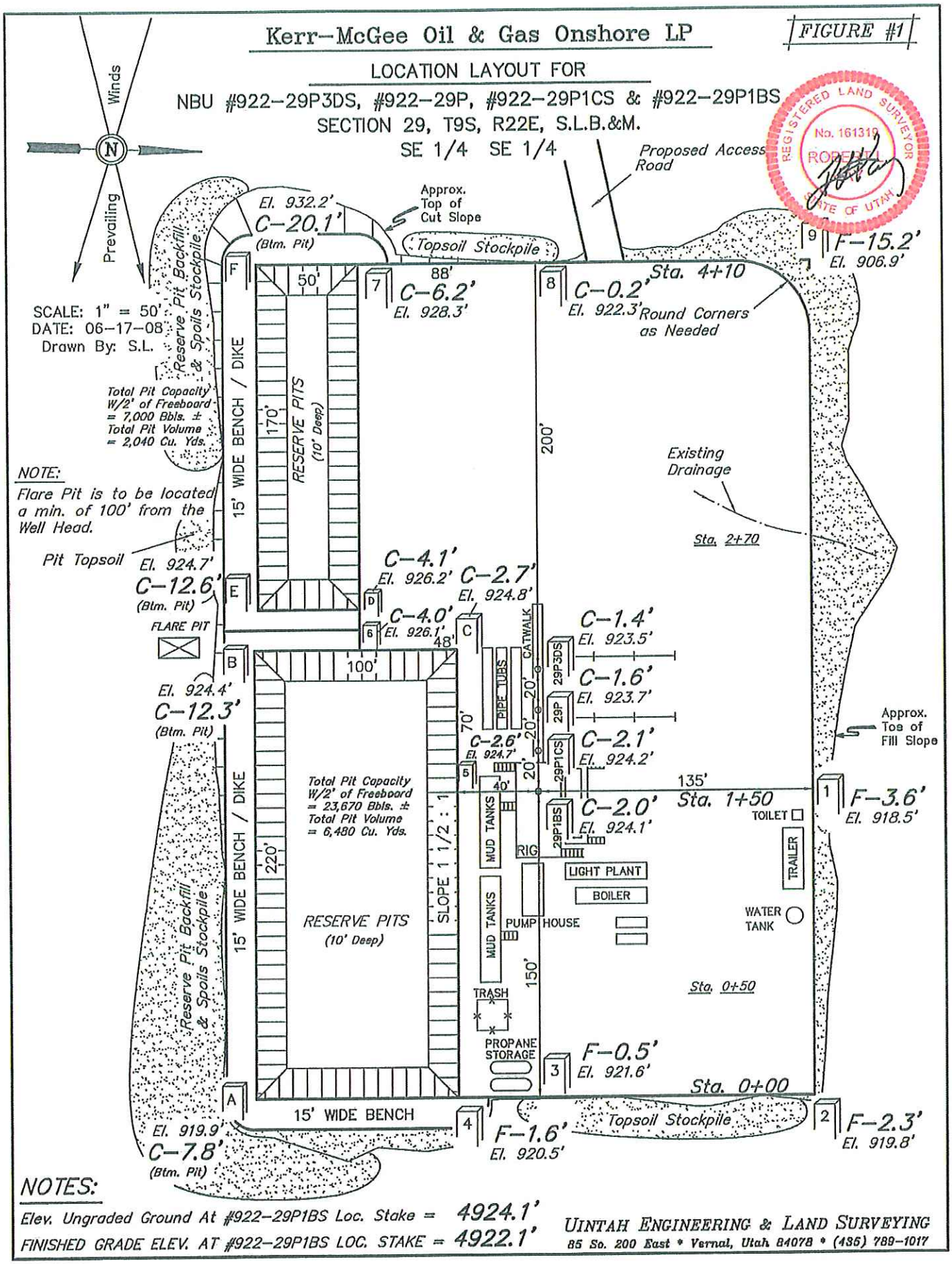
FIGURE #1

LOCATION LAYOUT FOR

NBU #922-29P3DS, #922-29P, #922-29P1CS & #922-29P1BS

SECTION 29, T9S, R22E, S.L.B.&M.

SE 1/4 SE 1/4



NOTES:

Elev. Ungraded Ground At #922-29P1BS Loc. Stake = 4924.1'

FINISHED GRADE ELEV. AT #922-29P1BS LOC. STAKE = 4922.1'

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

Kerr–McGee Oil & Gas Onshore LP

FIGURE #2

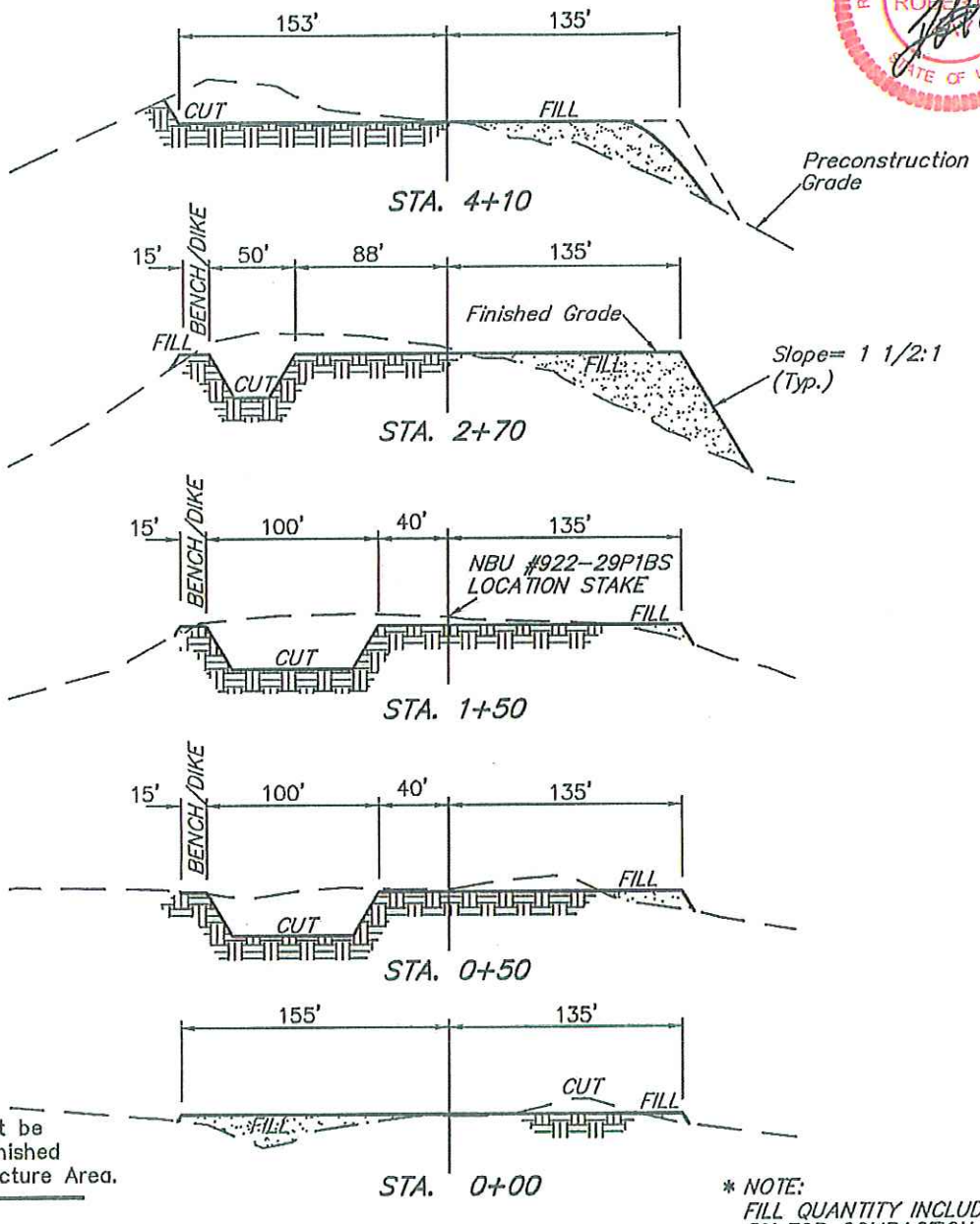
X–Section Scale
1" = 40'
1" = 100'

DATE: 06–17–08
DRAWN BY: S.L.

TYPICAL CROSS SECTION FOR

NBU #922–29P3DS, #922–29P, #922–29P1CS & #922–29P1BS
SECTION 29, T9S, R22E, S.L.B.&M.
SE 1/4 SE 1/4

REGISTERED LAND SURVEYOR No. 161319 RODNEY L. STATE OF UTAH



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

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping	=	2,620	Cu. Yds.
Remaining Location	=	14,350	Cu. Yds.
TOTAL CUT	=	16,970	CU.YDS.
FILL	=	10,090	CU.YDS.

EXCESS MATERIAL	=	6,880	Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	6,880	Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0	Cu. Yds.

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