

OCT 19 1984



STATE OF COLORADO
OIL AND GAS CONSERVATION COMMISSION
DEPARTMENT OF NATURAL RESOURCES

COLO. OIL & GAS CONS. COMM.

File in duplicate for Patented and Federal lands.
File in triplicate for State lands.

5. LEASE DESIGNATION & SERIAL NO. N/A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A

7. UNIT AGREEMENT NAME N/A

8. FARM OR LEASE NAME Montgomery

9. WELL NO. 1-21

10. FIELD AND POOL, OR WILDCAT Boulder Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 21-T1N-R69W

12. COUNTY Boulder

13. STATE Colorado

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR Noarko Resources, Inc.

3. ADDRESS OF OPERATOR 950 South Cherry, Suite 1000; Denver, CO 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface 700' FSL and 700 FEL, Sec. 21-T1N-R69W
At proposed prod. zone Same

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5127'GL, 5138'KB

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF* <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input checked="" type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL, (Other) <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

18. Date of work To commence ¹⁰ 9-13-84 * Must be accompanied by a cement verification report.

Operator proposes to complete the subject well in the Codell formation in accordance with the attached procedure. A manual double gate blow out preventor will be utilized during the completion. Operator intends to flare gas for a period of up to sixty days to accomplish clean up, and for evaluation purposes. The flare will be ignited and burned at all times flammable gases are being expended.

WRS	
FJP	
MC	✓
AV	✓
RCC	
LAR	✓
CGM	
ED	

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

SIGNED Jalet C. Chugh TITLE Consultant DATE 10-11-84

(This space for Federal or State office use)

APPROVED BY William K. Smith TITLE DIRECTOR DATE OCT 29 1984

CONDITIONS OF APPROVAL, IF ANY:

O & G Cons. Comm.
Approved for thirty (30) days only. Advise Commission of estimated gas flared on production report Form 7.

PETCON ASSOCIATES LTD.

ENGINEERING

OPERATIONS

COMPLETION PROCEDURE
Noarko Resources, Inc.
Montgomery No. 1-21
Sec. 21-T1N-R69W
Boulder County, Colorado

October 11, 1984

1. Cut off 4-1/2" casing stub and weld on bell nipple. Move in and rig up service unit. Nipple up tubing head and BOP.
2. Rig up and run GR-CBL from PBTD to 100' above cement top. If bond is acceptable, pull out of hole. Rig up and pressure test casing to 5500 psi. If bond is unacceptable, rerun GR-CBL under pressure. Pressure test to 5500 psi.
3. Rig up test separator and flowlines. Rig up flare lines with riser.
4. Trip in hole with tubing and scraper to PBTD. Swab well down to 5000'. Trip out of hole.
5. Perforate from 7906-7920' KB with 2 JSPF. Use 3-1/8" casing gun, 0.38" hole, and 90° phasing.
6. Run tubing with packer. Run to 7920' (approximately) and do not set packer. Pump 50 bbls. 3% KCl water with clay stabilizer and non-emulsifier. Spot 100 gals. 7-1/2" treated HCl breakdown acid across perforations. Raise tubing a minimum of 200' and set packer. Open unloader and spot 600 gals. treated 7-1/2" HCl acid to end of tubing. Close bypass and displace acid with 3% KCl water treated as before.
7. Swab back load fluids and to determine fluid entry. Swab and/or flow a minimum of one day, with 2 days of shut in time. If well flows, test through test separator.
8. Release packer and trip out of hole. Install 10,000 psi frac valve.
9. Rig up and frac well in accordance with frac procedure,
10. Open well after six to eight hours shut in time. If shut in pressure is 500 psi or more below ISDP, open on a 12/64" choke and adjust as necessary to maintain an 8-10 BFPH rate. If shut in pressure is less than 500 psi below ISDP, open on an 8/64" choke and open slowly after pressure has dropped to 500 psi below ISDP. Monitor flowback for gel break and return of frac sand. Shut in well if gel is not broken or if appreciable frac sand is produced for two to three hours.
11. If well dies, run tubing through BOP and stripping head. Tag for sand and cleanout if necessary. Strip off BOP and land tubing. Swab well and test through test separator. Flow to clean up frac fluids.