

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 18 2018

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No. NMNM 8005
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name Eastern Navajo
2. Name of Operator Encana Oil & Gas (USA) Inc.		7. If Unit of CA/Agreement, Name and/or No. NMNM 132981A
3a. Address 370 17th Street, Suite 1700 Denver, CO 80202	3b. Phone No. (include area code) (720) 876-5339	8. Well Name and No. Nageezi Unit 507H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 260' FNL and 309' FEL Section 9, T23N, R9W BHL: 396' FSL and 339' FWL Section 33, T24N, R9W		9. API Well No. 30-045-35855
		10. Field and Pool or Exploratory Area Nageezi Unit; Mancos (Oil)
		11. Country or Parish, State San Juan County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Completions Information
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation; Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Encana Oil & Gas (USA) Inc. performed completion operations from 09/19/2018 to 10/13/2018, which are detailed on the attachment enclosed.

NMOCD

OCT 24 2018

DISTRICT III

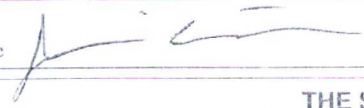
ACCEPTED FOR RECORD

OCT 18 2018

FARMINGTON FIELD OFFICE

By: 

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Jevin Croteau	Title Senior Regulatory Analyst
Signature 	Date 10/16/18

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCDAY

Nageezi Unit 507H API: 30-045-35855 Completions Sundry Information dated 10/16/2018:

09/13/18:

- Spotted in and r/u pump trucks and acid truck. Pressure tested lines to a low test of 250 psi and a high test of 9000 psi, good test. Pressured up on 7" csg to 1500 psi and held. Pressure tested 4.5" csg to 1500 psi and held for 30 minutes, tested to 5000 psi and held for 5 minutes, all test good. Kicked pumps on and opened toe sleeve @ 6498 psi, pumped 25 bbls @ 1 bbl/min @ 2029 psi, pumped 25 bbls @ 2 bbls/min @ 1930 psi, pumped 25 bbls @ 3 bbls/min @ 2143 psi, pumped 25 bbls @ 4 bbls/min @ 2243 psi, pumped 50 bbls @ 5 bbls/min @ 2759 psi, pumped 2000 gallons 15% HCl w/inhibitor, flushed csg with 245 bbls @ 5.3 bbls/min @ 1197 psi, shut down pumps, shut in and secured well, bled off pressure from 7" csg, r/d.
- Secured well and shut in waiting on frac.

09/19/18:

- RU Frac Equipment.
- Prime up and pressure test to 6800 psi had a leak on 2" chicksan coming off well replaced and retest to 9500 psi no leak off good test bleed pressure off and as were bleeding pressure off operator encounter a pin hole in the bottom of blender tub assess the situation and decision was to replace blender due to not being able to get to pin hole call was made to yard to send out spare blender ETA-3 hrs.
- Pressure test lines again to 9500 psi, fix a leak on the N2 side then had good test.

09/20/18:

- Frac stg #1 of 30 Used 70Q foam, 1,997 bbl fresh water, 0 bbl produced water, 2,797,743 scf N2, 108,079 lbs sand, AVG PSI: 7,100 at 65.2 BPM, ISIP: 816, FG: .606.
- RIH W/ WL, Stage # 2. Bbls pumped: 327, Set plug @: 12,482, Perfs: 12,451' - 12,251', Avg spd: 260 ft/min, Avg wt: 780, Max rate: 12, Max psi: 2,200.
- Frac stg #2 of 30 Used 70Q foam, 1,084 bbl fresh water/produced water, 1,451,510 scf N2, 248,000 lbs sand, AVG PSI: 7,485 at 60.2 BPM, ISIP: 1370 psi, FG: .719 psi/ft.
- Pressure test lube to 4000 psi. RIH W/ WL, Stage # 3. Bbls pumped: 259, Set plug @: 12,242, Perfs: 12,011' - 12,227', Avg spd: 330 ft/min, Avg wt: 680, Max rate: 12, Max psi: 2,100.
- Frac stg #3 of 30 Used 70Q foam, 556 bbl fresh water, 556 bbls prod water, 1,381,524 scf N2, 252,000 lbs sand, AVG PSI: 7,738 at 59.3 BPM, ISIP: 1,338, FG: 0.713 psi/ft.
- RIH W/ WL, Stage #4. Bbls pumped: 348, Set plug @: 12,002 Perfs: 11,771' - 11,991', Avg spd: 270 ft/min Avg wt: 510, Max rate: 12, Max psi: 1,750.
- Frac stg #4 of 30 Used 70Q foam, 617 bbl fresh water, 617 bbls prod water, 1,485,565 scf N2, 250,300 lbs sand, AVG PSI: 6,724 at 57.8 BPM, ISIP: 1,109, FG: 0.666 psi/ft.

09/21/18:

- RIH W/ WL, Stage #5. Bbls pumped: 256, Set plug @: 11,762 Perfs: 11,531' - 11,751', Avg spd: 325 ft/min Avg wt: 585, Max rate: 12, Max psi: 1,830.
- Frac stg #5 of 30 Used 70Q foam, 645 bbl fresh water, 645 bbls prod water, 1,118,773 scf N2, 248,600 lbs sand, AVG PSI: 7,520 at 57.8 BPM, ISIP: 948, FG: 0.633 psi/ft.
- RIH W/ WL, Stage #6. Bbls pumped: 218, Set plug @: 11,522 Perfs: 11,291' - 11,511', Avg spd: 350 ft/min Avg wt: 540, Max rate: 12, Max psi: 1,780.
- Frac stg #6 of 30 Used 70Q foam, 1,470 bbl water, 1,226,086 scf N2, 251,000 lbs sand, AVG PSI: 7,133 at 57.4 BPM, ISIP: 1,494, FG: 0.745 psi/ft.

- RIH W/ WL, Stage #7. Bbls pumped: 224, Set plug @: 11,282 Perfs: 11,051' - 11,272', Avg spd: 330 ft/min Avg wt: 580, Max rate: 12, Max psi: 2060.
- Frac stg #7 of 30 Used 70Q foam, 1,444 bbl water, 1,178,860 scf N2, 251,500 lbs sand, AVG PSI: 7,294 at 57.5 BPM, ISIP: 1,567, FG: 0.760 psi/ft.
- RIH W/ WL, Stage #8. Bbls pumped: 199, Set plug @: 11,042 Perfs: 10,811' - 11,032', Avg spd: 330 ft/min Avg wt: 740, Max rate: 12, Max psi: 2100.
- Frac stg #8 of 30 Used 70Q foam, 1354 bbl water, 1,118,926 scf N2, 249,000 lbs sand, AVG PSI: 6,999 at 57.5 BPM, ISIP: 1,383, FG: 0.722 psi/ft.
- RIH W/ WL, Stage #9. Bbls pumped: 192, Set plug @: 10,802, Perfs: 10,571' - 10,783', Avg spd: 350 ft/min Avg wt: 700, Max rate: 12, Max psi: 2050.
- Frac stg #9, of 30 Used 70Q foam, 1,378 bbl water, 1,070,622 scf N2, 251,300 lbs sand, AVG PSI: 7,207 at 59.9 BPM, ISIP: 1,185, FG: 0.681 psi/ft.

09/22/18:

- RIH W/ WL, Stage #10. Bbls pumped: 215, Plug @: 10,652, Perfs: 10,331' - 10,545' Avg spd: 320 ft/min Avg wt: 660, Max rate: 12, Max psi: 1,850.
- Frac stg #10, of 30 Used 70Q foam, 1,368 bbl water, 1,076,043 scf N2, 249,400 lbs sand, AVG PSI: 7,366 at 60 BPM, ISIP: 1,214, FG: 0.687 psi/ft.
- RIH W/ WL, Stage #11. Bbls pumped: 196, Plug @: 10,322, Perfs: 10,091' - 10,311' Avg spd: 315 ft/min, Avg wt: 665, Max rate: 12, Max psi: 1800.
- Frac stg #11, of 30 Used 70Q foam, 1,188 bbl water, 1,091,596 scf N2, 254,900 lbs sand, AVG PSI: 7,229 at 63.9 BPM, ISIP: 1,211, FG: 0.687 psi/ft.
- RIH W/ WL, Stage #12. Bbls pumped: 177, Plug @: 10,082', Perfs: 9,851' - 10,072', Avg spd: 315 ft/min, Avg wt: 600, Max rate: 12, Max psi: 2050.
- Frac stg #12, of 30 Used 70Q foam, 1,167 bbl water, 1,181,743 scf N2, 250,500 lbs sand, AVG PSI: 6,715 at 59.2 BPM, ISIP: 1,328, FG: 0.711 psi/ft.
- RIH W/ WL, Stage #13. Bbls pumped: 170, Plug @: 9,842', Perfs: 9,611' - 9,831', Avg spd: 320 ft/min, Avg wt: 630, Max rate: 12, Max psi: 2,150.
- Frac stg #13, of 30 Used 70Q foam, 1,161 bbl water, 1,158,048 scf N2, 249,440 lbs sand, AVG PSI: 6,778 at 59.5 BPM, ISIP: 1,385, FG: 0.722 psi/ft.
- RIH W/ WL, Stage #14. Bbls pumped: 155, Plug @: 9,595', Perfs: 9,371' - 9,581', Avg spd: 330 ft/min, Avg wt: 620, Max rate: 12, Max psi: 2,250.
- Frac stg #14, of 30. Used 70Q foam, 1,340 bbl water, 1,160,366 scf N2, 252,800 lbs sand, AVG PSI: 7,032 at 59.6 BPM, ISIP: 1,310, FG: 0.707 psi/ft.
- RIH W/ WL, Stage #15. Bbls pumped: 158, Plug @: 9,362' Perfs: 9,131' - 9,351' Avg spd: 320 ft/min Avg wt: 650 Max rate: 12 Max psi: 1,850.
- Frac stg #15, of 30. Used 70Q foam, 1,181 bbl water, 1,248,126 scf N2, 256,800 lbs sand, AVG PSI: 6,883 at 60.2 BPM, ISIP: 1,663, FG: 0.779 psi/ft.
- RIH W/ WL, Stage #16. Bbls pumped: 153 Plug @: 9,122' Perfs: 8,891' - 9,111' Avg spd: 330 ft/min Avg wt: 665 Max rate: 12 Max psi: 2,300.

09/23/18:

- Frac stg #16, of 30. Used 70Q foam, 1,094 bbl water, 1,102,253 scf N2, 250,300 lbs sand, AVG PSI: 6,990 at 62.6 BPM, ISIP: 1,398, FG: 0.725 psi/ft.
- RIH W/ WL, Stage #17. Bbls pumped: 139 Plug @: 8,862' Perfs: 8.651' - 8,871' Avg spd: 350 ft/min Avg wt: 715 Max rate: 12 Max psi: 1,924.
- Frac stg #17, of 30. Used 70Q foam, 931 bbl water, 1,091,334 scf N2, 250,600 lbs sand, AVG PSI: 6,353 at 62.1 bpm, ISIP: 1,303, FG: 0.705 psi/ft.
- RIH W/ WL, Stage #18. Bbls pumped: 130, Plug set @: 8,642', Perfs: 8.411' - 8,632', Ave spd: 320 ft/min, Ave wt: 620, Max rate: 12, Max psi: 2080.
- Frac stg #18, of 30. Used 70Q foam, 959 bbl water, 1,208,554 scf N2, 248,500 lbs sand, AVG PSI: 6,105 at 59.3 bpm, ISIP: 1,511, FG: 0.748 psi/ft.
- RIH W/ WL, Stage #19. Bbls pumped: 118, Plug set @: 8,402', Perfs: 8.171' - 8,391', Ave spd: 330 ft/min, Ave wt: 700, Max rate: 12, Max psi: 2050.
- Frac stg #19, of 30. Used 70Q foam, 1067 bbl water, 1,079,776 scf N2, 249,500 lbs sand, AVG PSI: 6,570 at 60.5 bpm, ISIP: 1,498, FG: 0.745 psi/ft.
- RIH W/ WL, Stage #20. Bbls pumped: 110, Plug set @: 8,162', Perfs: 7.934' - 8,152', Ave spd: 330 ft/min, Ave wt: 700, Max rate: 12, Max psi: 1,980.
- RIH W/ WL, Stage #21. Bbls pumped: 97, Plug set @: 7,922', Perfs: 7.691' - 7,911', Avg spd: 350 ft/min, Avg wt: 640, Max rate: 12, Max psi: 1,800.
- Frac stg #21, of 30. Used 70Q foam, 1,042 bbl water, 1,103,152 scf N2, 249,000 lbs sand, AVG PSI: 6,374 at 65.7 bpm, ISIP: 1,075, FG: 0.659 psi/ft.
- RIH W/ WL, Stage #22. Bbls pumped: 90, Plug set @: 7,682', Perfs: 7.451' - 7,671', Avg spd: 350 ft/min, Avg wt: 700, Max rate: 12, Max psi: 1,700.

09/24/18:

- Frac stg #22, of 30. Used 70Q foam, 1,124 bbl water, 1,080,888 scf N2, 251,700 lbs sand, AVG PSI: 6,181 at 65.9 bpm, ISIP: 1,098, FG: 0.663 psi/ft.
- RIH W/ WL, Stage #23. Bbls pumped: 86, Plug set @: 7,442', Perfs: 7.211' - 7,431', Avg spd: 350 ft/min, Avg wt: 650, Max rate: 12, Max psi: 1,700.
- Frac stg #23, of 30. Used 70Q foam, 925 bbl water, 993,805 scf N2, 248,500 lbs sand, AVE PSI: 5,981 at 60 bpm, ISIP: 1,256, FG: 0.696 psi/ft.
- RIH W/ WL, Stage #24. Bbls pumped: 80, Plug set @: 7,202', Perfs: 6.971' - 7,192', Avg spd: 330 ft/min, Avg wt: 650, Max rate: 12, Max psi: 1,865.
- Frac stg #24, of 30. Used 70Q foam, 979 bbl water, 1,106,595 scf N2, 255,000 lbs sand, AVE PSI: 6,134 at 60.6 bpm, ISIP: 1,129, FG: 0.670 psi/ft.
- RIH W/ WL, Stage #25. Bbls pumped: 70, Plug set @: 6,962', Perfs: 6.731' - 6,952', Ave spd: 330 ft/min, Ave wt: 700, Max rate: 12, Max psi: 2200.
- Frac stg #25, of 30. Used 70Q foam, 915 bbl water, 1,009,501 scf N2, 251,500 lbs sand, AVE PSI: 5,750 at 61.2 bpm, ISIP: 1,201, FG: 0.685 psi/ft.
- RIH W/ WL, Stage #26. Bbls pumped: 65, Plug set @: 6,722', Perfs: 6.495' - 6,712', Ave spd: 330 ft/min, Ave wt: 750, Max rate: 12, Max psi: 3400.
- Frac stg #26, of 30. Used 70Q foam, 1,082 bbl water, 1,093,250 scf N2, 249,900 lbs sand, AVG PSI: 5,819 at 66.3 bpm, ISIP: 1,048, FG: 0.653 psi/ft.

- RIH W/ WL, Stage #27. Bbls pumped: 51, Plug set @: 6,482', Perfs:6,251' - 6,471', Avg spd: 350 ft/min, Avg wt:715, Max rate:12, Max psi: 1,650.
- Frac stg #27, of 30. Used 70Q foam, 927 bbl water, 1,042,596 scf N2, 248,700 lbs sand, AVG PSI: 6,382 at 66.6 bpm, ISIP:1,123, FG:0.669 psi/ft.
- RIH W/ WL, Stage #28. Bbls pumped: 44, Plug set @: 6,242', Perfs:6,011' - 6,231', Ave spd: 350 ft/min, Ave wt:700, Max rate:12, Max psi: 1,650.

09/25/18:

- Frac stg #28, of 30. Used 70Q foam, 984 bbl water, 1,099,478 scf N2, 266,500 lbs sand, AVG PSI: 5,887 at 64.2 bpm, ISIP:1,060, FG:0.656 psi/ft.
- RIH W/ WL, Stage #29. Bbls pumped:42, Plug set @: 6,002', Perfs:5,771' - 5,991', Ave spd: 350 ft/min, Ave wt:650, Max rate:12, Max psi: 1,500.
- Frac stg #29, of 30. Used 70Q foam, 806 bbl water, 1,030,451 scf N2, 254,900 lbs sand, AVG PSI: 5,489 at 63.5 bpm, ISIP:1,191, FG:0.683 psi/ft.
- RIH W/ WL, Stage #30. Bbls pumped:37, Plug set @: 5,762', Perfs:5,531' - 5,752', Ave spd: 200 ft/min, Ave wt:500, Max rate:12, Max psi:1,350.
- Frac stg #30, of 30. Used 70Q foam, 784 bbl water, 1,007,408 scf N2, 252,280 lbs sand, AVG PSI: 5,044 at 60.2 bpm, ISIP:1,432, FG:0.732 psi/ft.
- RIH and set "Magnum" kill plug at 5,227'. POOH. Csg psi: 330, Bled down well to tank, recovered 5 bbl of fluid, psi:0, no flow. SI well, RD Wireline. Left well SI until Frac on the 510H was finished.
- Finish bleeding off pressure above Kill plug, neg test for 30 mins was good. Pressure tested plug to 2000 psi, lost 200 psi, in 5 mins, pressures pack up to 2000, lost 400 psi in 30 mins. bled off and had some N2 in fluid. Well bled down to zero psi, no flow. Will retest with the rig pump prior to DO.

09/26/18:

- N/D 7 1/16" 5K frac valve, n/u bop stack, flow cross, and annular.
- Pressure tested blind rams to a low test of 500 psi and a high test of 4500 psi, installed landing jt, pressure tested pipe rams to a low test of 500 psi and a high test of 4500 psi, annular to 2500 psi, all test good and charted.
- Made up BHA of 3 7/8" Hurricane Mill (Serial # HT 4570), bit sub, dual flapper valve, 10' pup jt, RN-Nipple, 12' pup jt, rih with 2 3/8" PH6 workstring and tagged kill plug @ 5232' jt #168, layed down 1 jt, tied rig back single fast, r/u power swivel.
- Finish RU ADA lines & FB panic line, Tie pumps together, circulate pump & load lines to test.

09/27/18:

- Pressure test FB iron 500 psi low & 2500 psi, had several leaks & rig manifold valve issues, fix and re test, Good test. PT ADA lines, 250 low 4000 psi. Reconfigure bleed off line. Re test, Good test, Test ADA back side, Good test.
- Break circulation, Circulate N2 around before drilling kill plug. PR down tbg, N2 1300 scf/min @ 1300 psi. PR down csg N2 1300 scf/min @ 1100 psi, ADA having issues getting mist unit to pump, Bring rig pump on @ .5 bpm @ 1500 psi. WHP 1300 psi, ADA still having pump issues

can't pump any foamer or chemicals, they are breaking down pump to check valves & seats.
Shut down N2 units & rig pump till ADA repairs pump.

- Broke circulation with N2 unit putting 1500 SCFM down backside and 1375 SCFM with 1/4 bbl/min water down tbg, WHP 700 psi, set 8K down on kill plug @ 5232' and started drilling, drilled through plug in 76 minutes, circulated 10 minutes, WHP 900 psi.
- DO CFP #1 through #10.

09/28/18:

- DO CFP #11 through #22.

09/29/18:

- DO CFP #23.

10/03/18:

- DO CFP #24 through #26.

10/04/18:

- DO CFP #27 through #29.
- Sent a 10-10-10 heavy gel sweeps, circulated sweeps to surface, first sweep had a light trace of sand, 2nd sweep was clean in the returns, shut down N2 unit and rig pump.
- Swiveled 20 jts out of the hole, pumped 20 bbl kill down tbg, r/d power swivel. Continued to laydown workstring, started to pull sticky at 11,690.72' jt #375, r/u power swivel and kicked on N2 unit, worked tbg for 30 minutes while circulating N2 around. Continued to laydown with power swivel to 10,911.46' jt #350, r/d power swivel, pumped 20 bbls fresh water down tbg to kill to pull plugs. Continued to laydown workstring to 4819.93' jt #154. Hooked flowback up to the 7" csg and started bleeding down to the open top, pumped 100 bbls fresh water down 4.5" to kill well.
- Well is dead, Continue POH laying down WS, OOH w/mill bha.
- Break down bha, unload tbg off racks, swap pipe rams to 4.5, Rack swivel on trailer, l/d tongs & slips, break down panic line & ADA N2 lines, RU csg tongs & handling tools.
- Csg has blow, pump 50 bbls down 7" & 4.5" csg, well on vacuum.

10/05/18:

- MU landing jt, back out lock pins, pull hanger. LD hanger & 15' pup jt, POH w/111 jt 4.5 tie back string & PBR, OOH, LD Baker PBR seal assy.
- RD csg tongs & slips, swap rams to 2 7/8, PU tongs & slips, take lunch break
- Made up BHA of 2 3/8" mule shoe, 14 jts 2 3/8" tbg, 2 3/8" X 2 7/8" X-Over, 1 jt 2 7/8, TAC, X Nipple, TIH checking all connections with glv's & tbg per design to landing depth, landed tbg on hanger.
- R/D rig floor and handling tools.
- N/D bop stack and annular.
- Removed tbg hanger, made marks, put 7 rounds of left into tbg, set TAC in 15K tension, placing TAC @ 4314.79' and EOT @ 5303.54', landed tbg on hanger, n/u production tree.
- Pressure tested production tree to a low test of 500 psi and a high test of 4500 psi, all test good.

- R/D, racked out hardline from wellhead.

10/13/18:

- Flowing back well. Flowing TBG on 91/64 choke at this time. TBG 350 psi, CSG 800 psi & flowing 51 bbl's oil per hour. Flowing 22 bbl's water per hour & making a trace of sand. (Very little) Gas spot rate is 2.3 MFC.